



GLOBEFISH

COMMODITY UPDATE



GLOBEFISH

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Fishmeal Fish Oil

Extract from GLOBEFISH Databank
Prices - Imports - Exports - Production

July 2007

Fishmeal & Fish Oil

COMMODITY u p d a t e

The COMMODITY UPDATE reports, issued for each commodity once a year, contain information on prices, imports, exports and production by commodity. The information is taken from the network of GLOBEFISH correspondents and the GLOBEFISH European Price Report, INFOFISH Trade News, FAO FISHDAB, EUROSTAT and others.

The issues are scheduled approximately as follows:

FISHMEAL-FISH OIL - <i>Spring</i>	CRAB - <i>Autumn</i>
BIVALVES - <i>Spring</i>	LOBSTER - <i>Autumn</i>
SALMON - <i>Spring</i>	CEPHALOPODS - <i>Winter</i>
SHRIMP - <i>Summer</i>	GROUNDFISH - <i>Winter</i>
TUNA - <i>Summer</i>	SMALL PELAGICS - <i>Winter</i>

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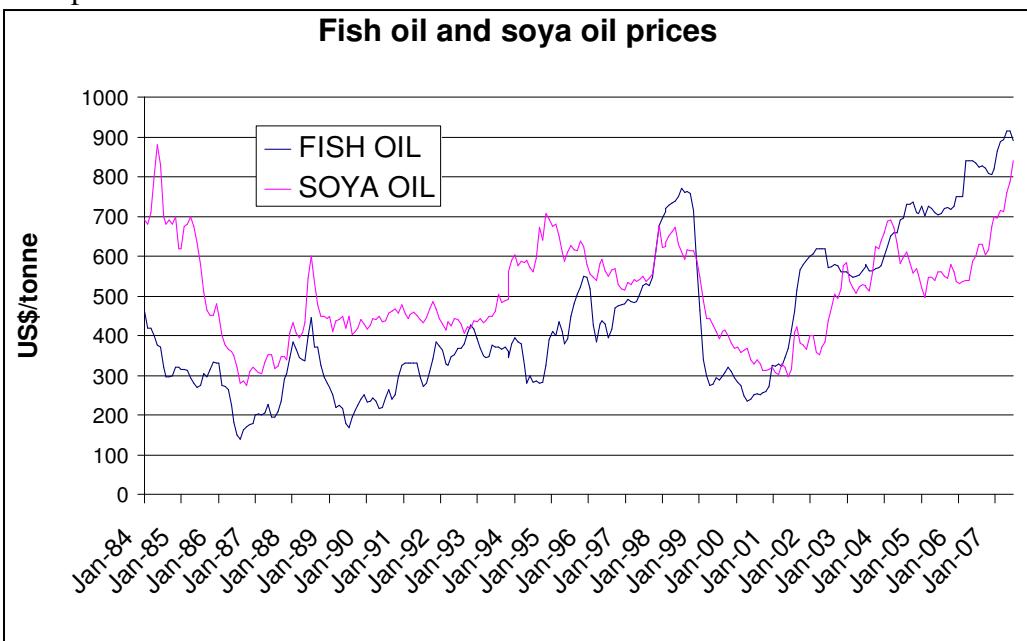
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FISH OIL & FISHMEAL

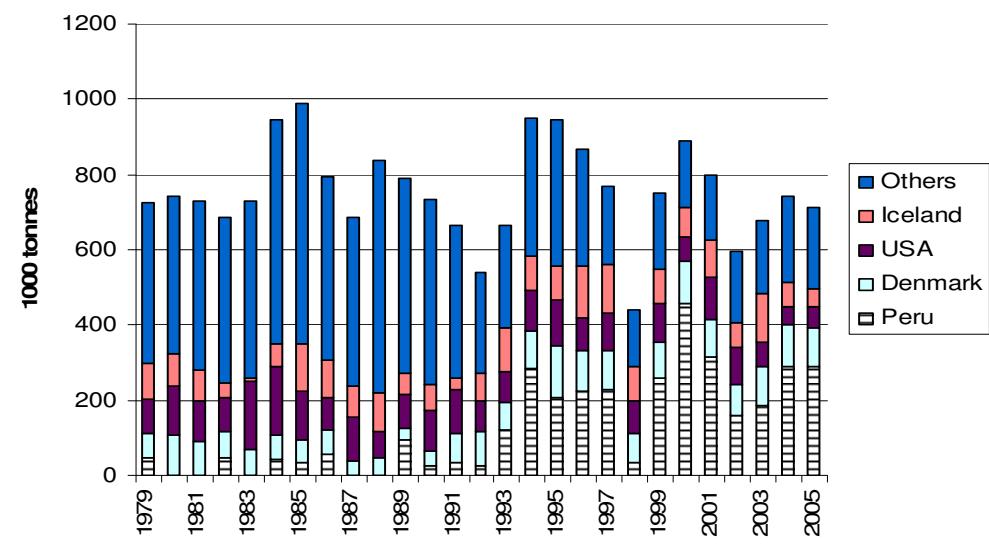


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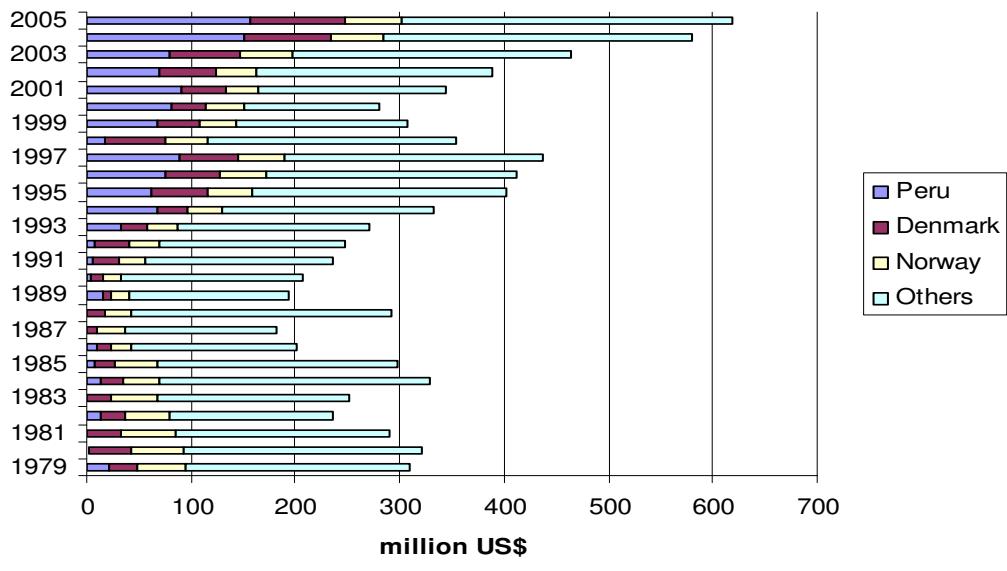
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Fish oil and soya oil prices

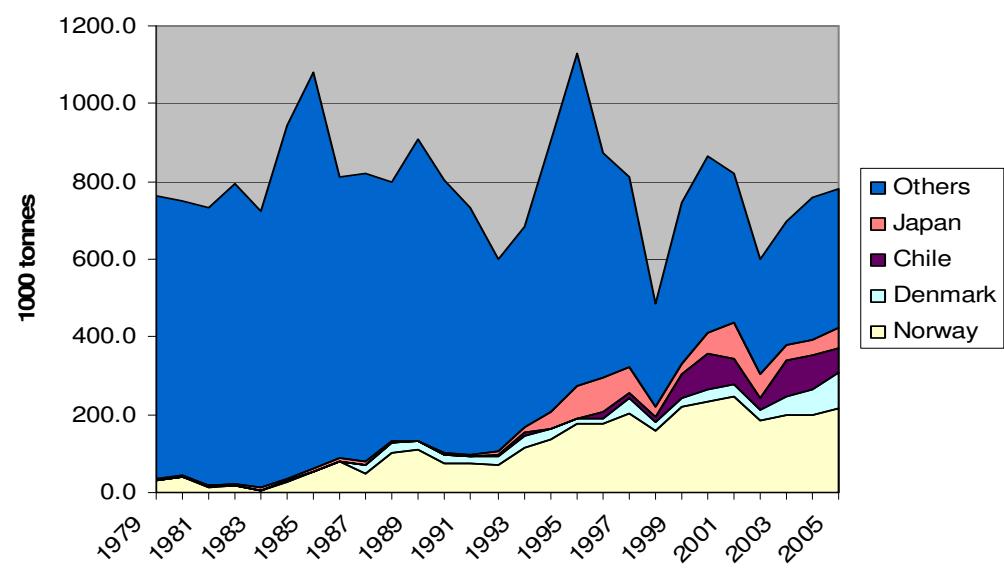
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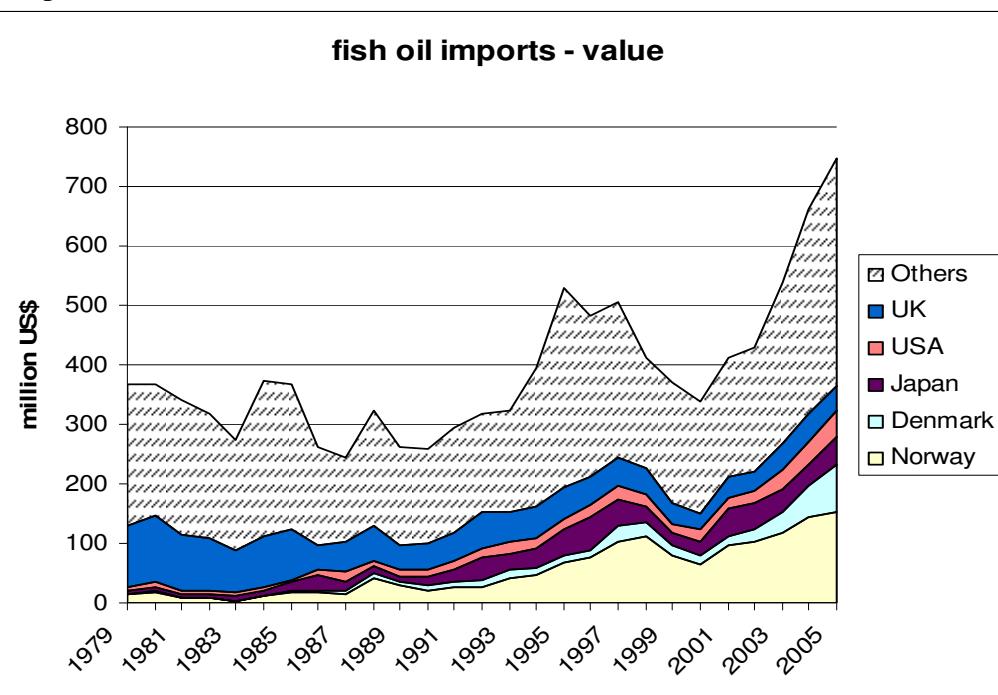
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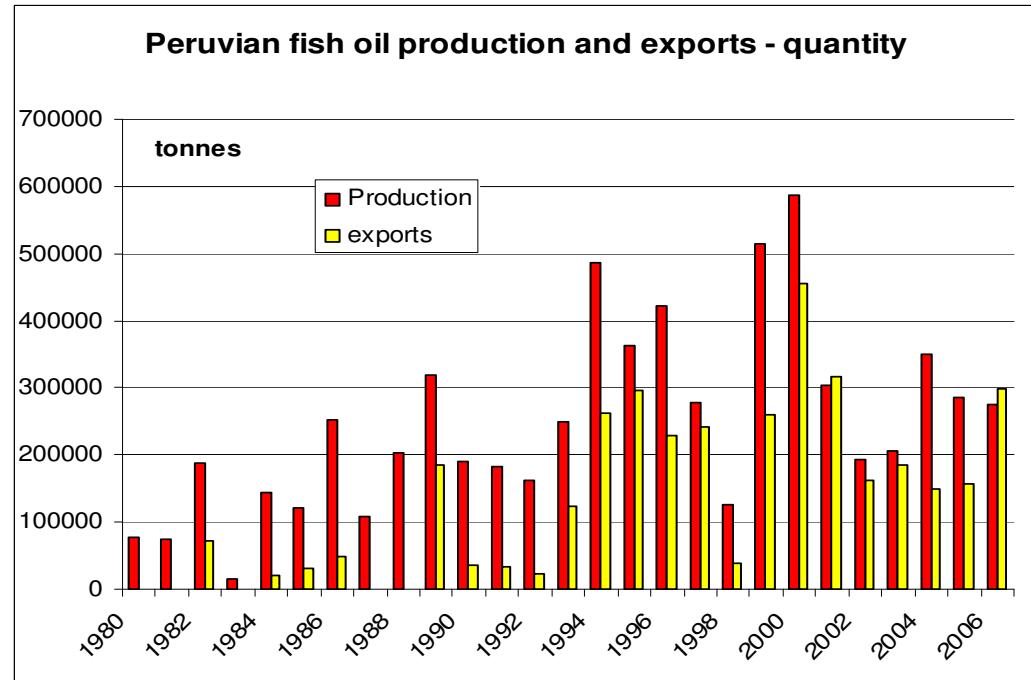
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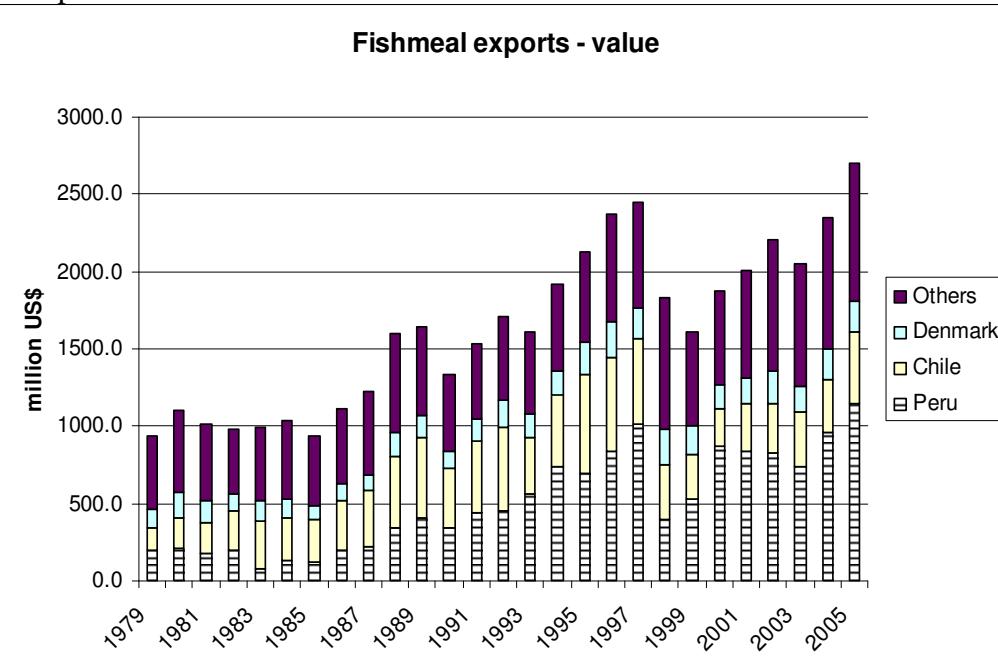
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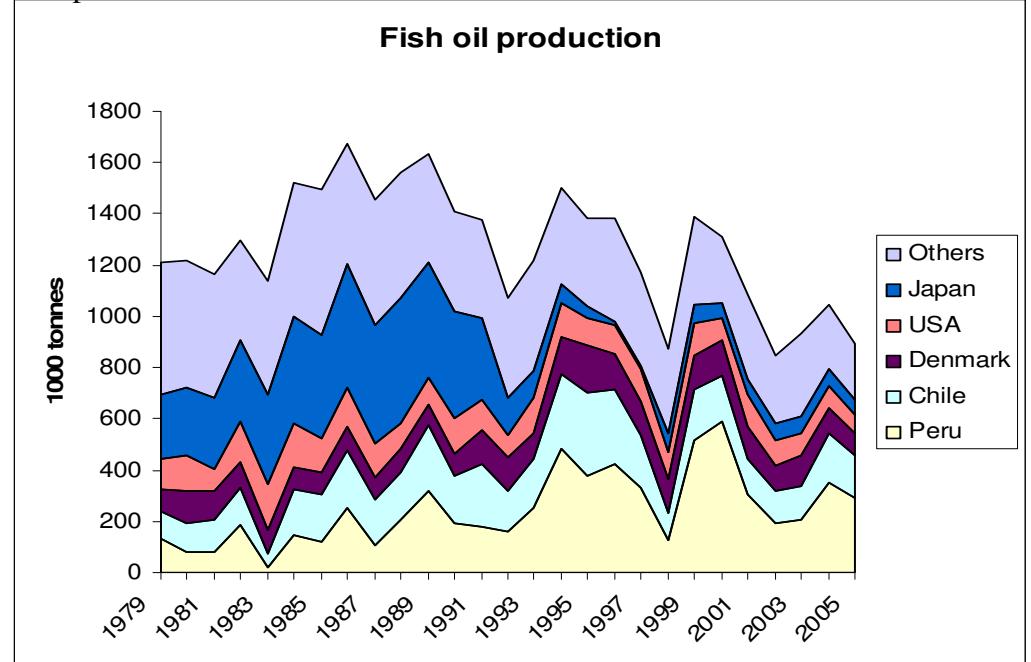
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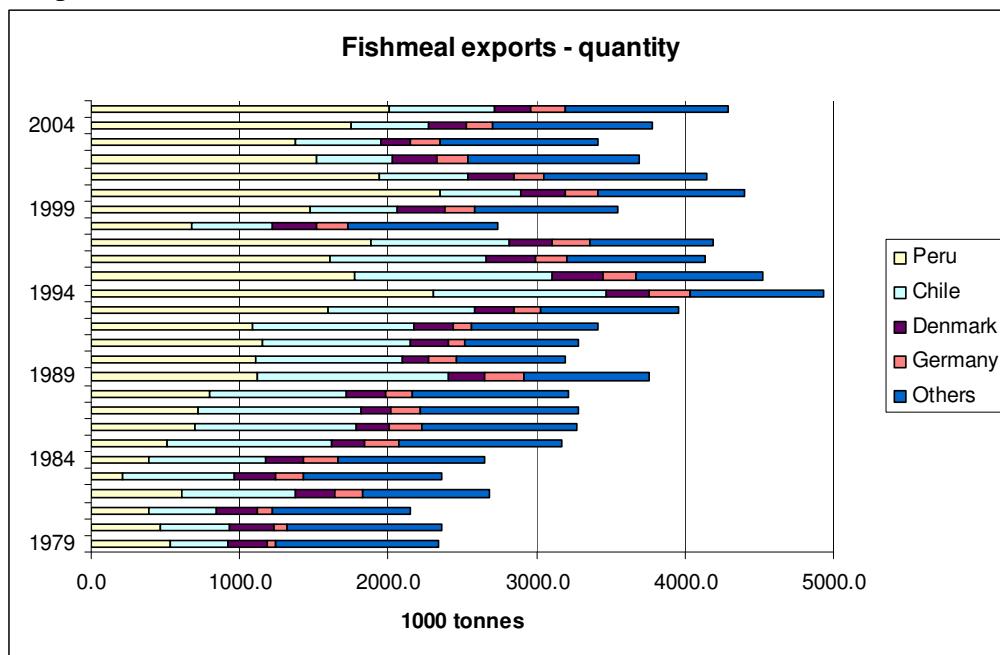
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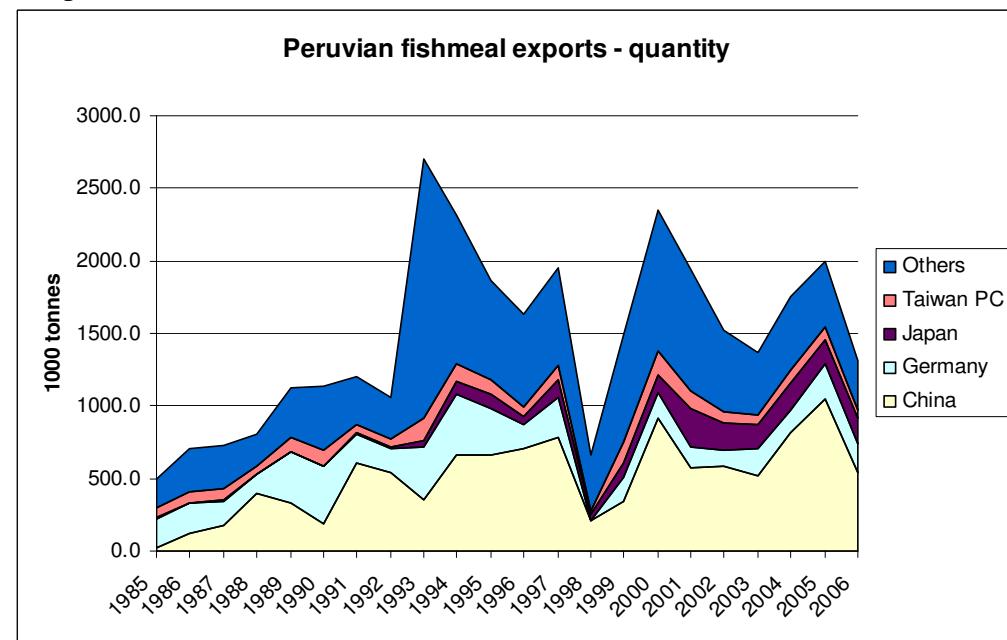
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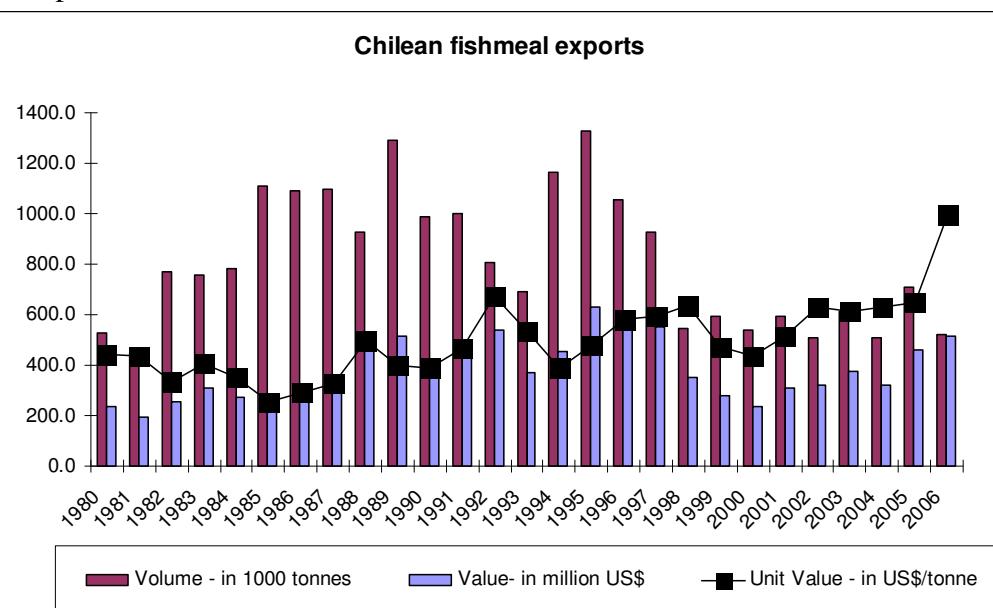
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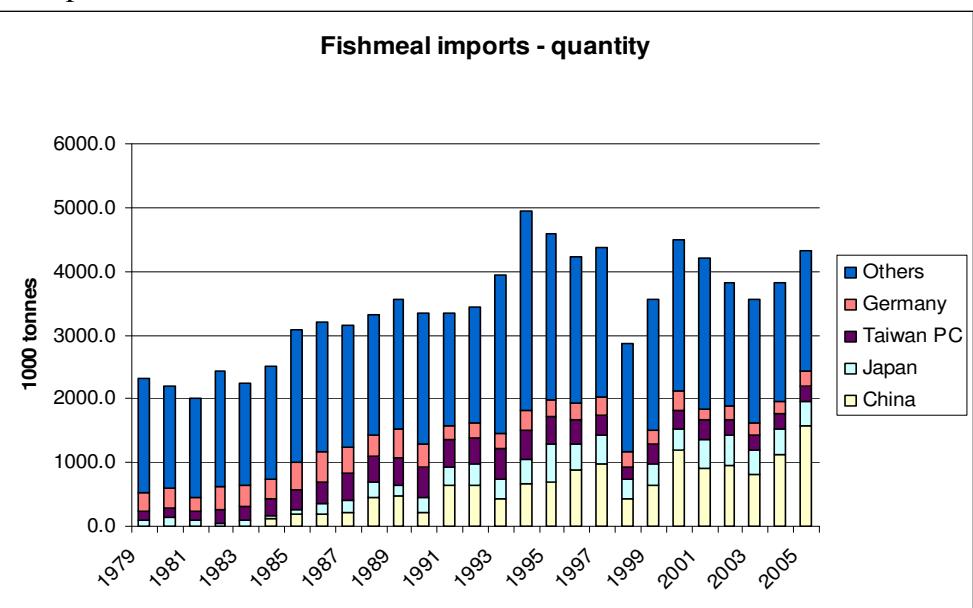
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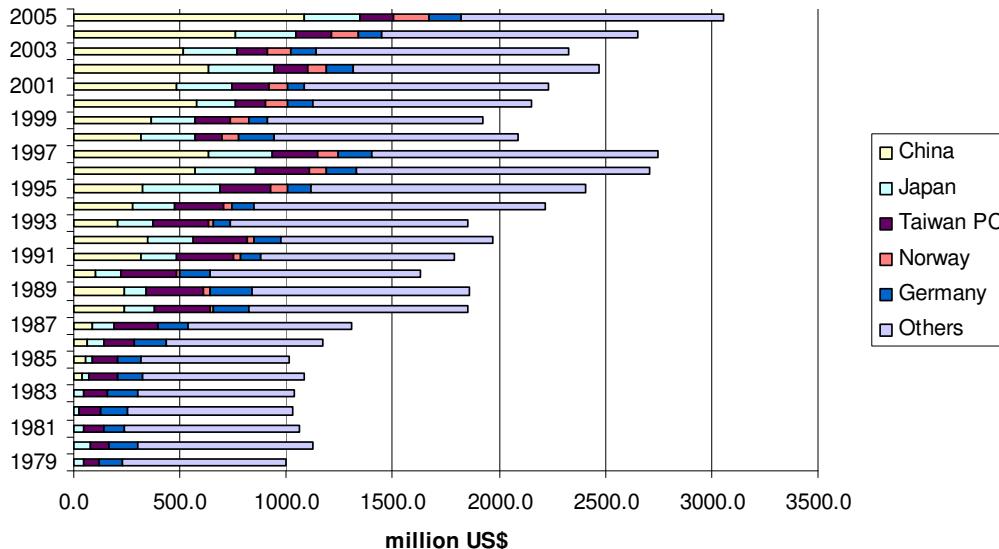
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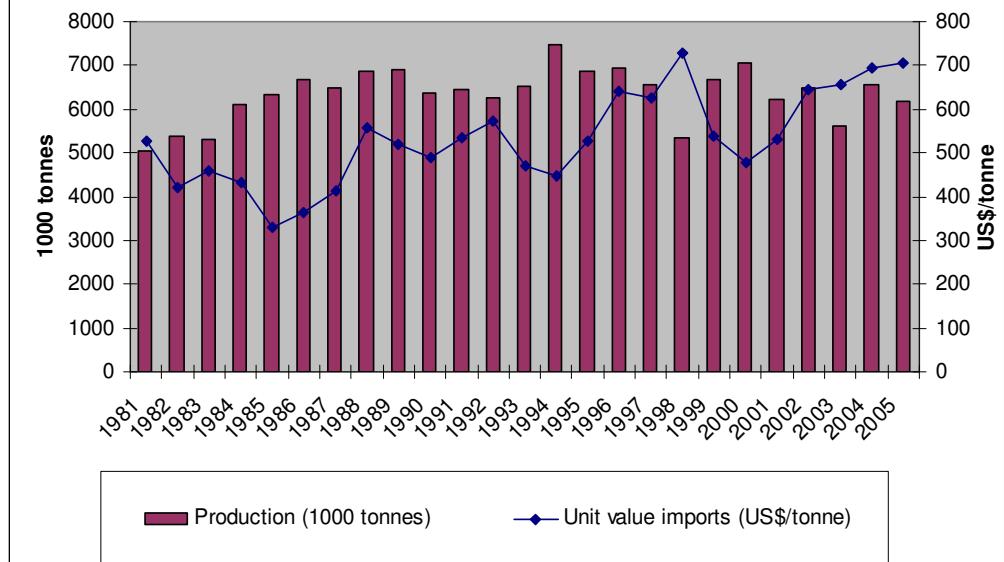
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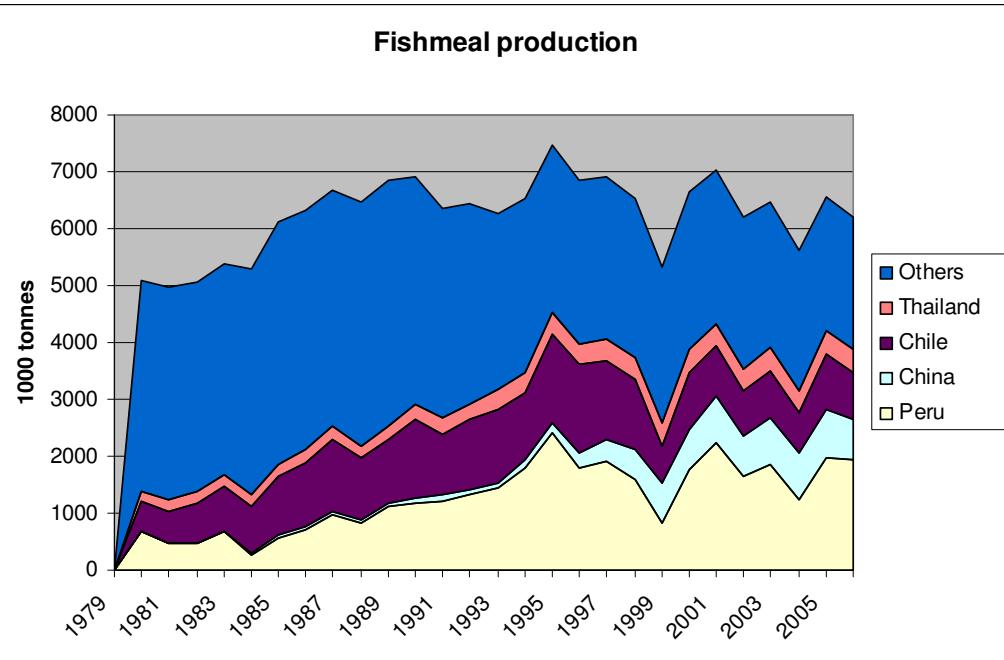
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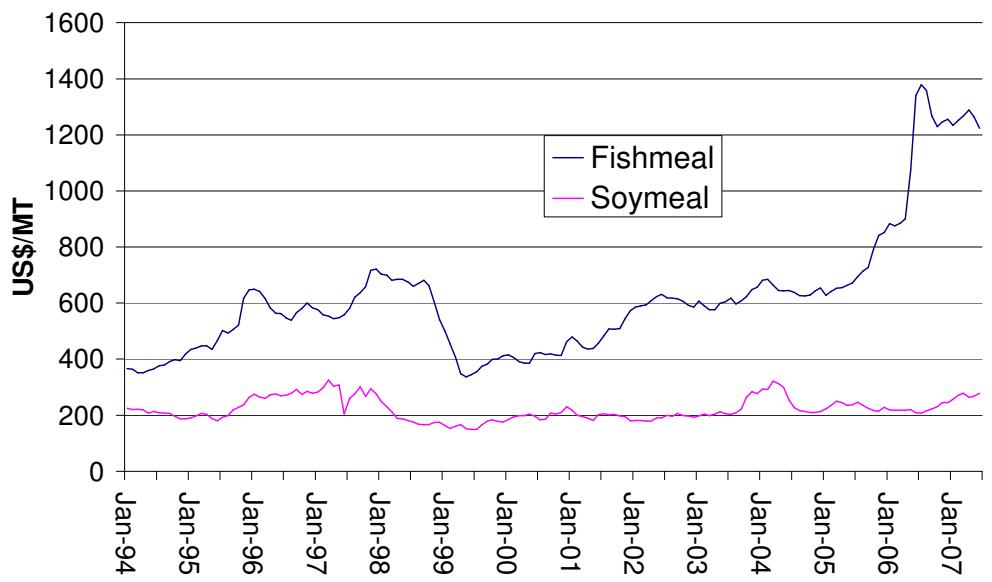
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Fishmeal production

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Fishmeal and soymeal prices

Fishmeal Market Report - May 2007



2007 starts with low small landings in South America

Landings of small pelagic fish for fishmeal production were very low in the first quarter of 2007, as forecast in the last market report. Landings reached 2.7 million tonnes, some 20% below the previous year and around 14% below the 5-year average. Landings were extremely limited in Peru, and also disappointing in Chile and in the Scandinavian countries. As a result of limited landings, fishmeal production declined by 21% during the first quarter of 2007 to only 505 000 tonnes. Demand for fishmeal was limited in March 2007, but prices stayed stable at over US\$ 1000/tonne.

Production

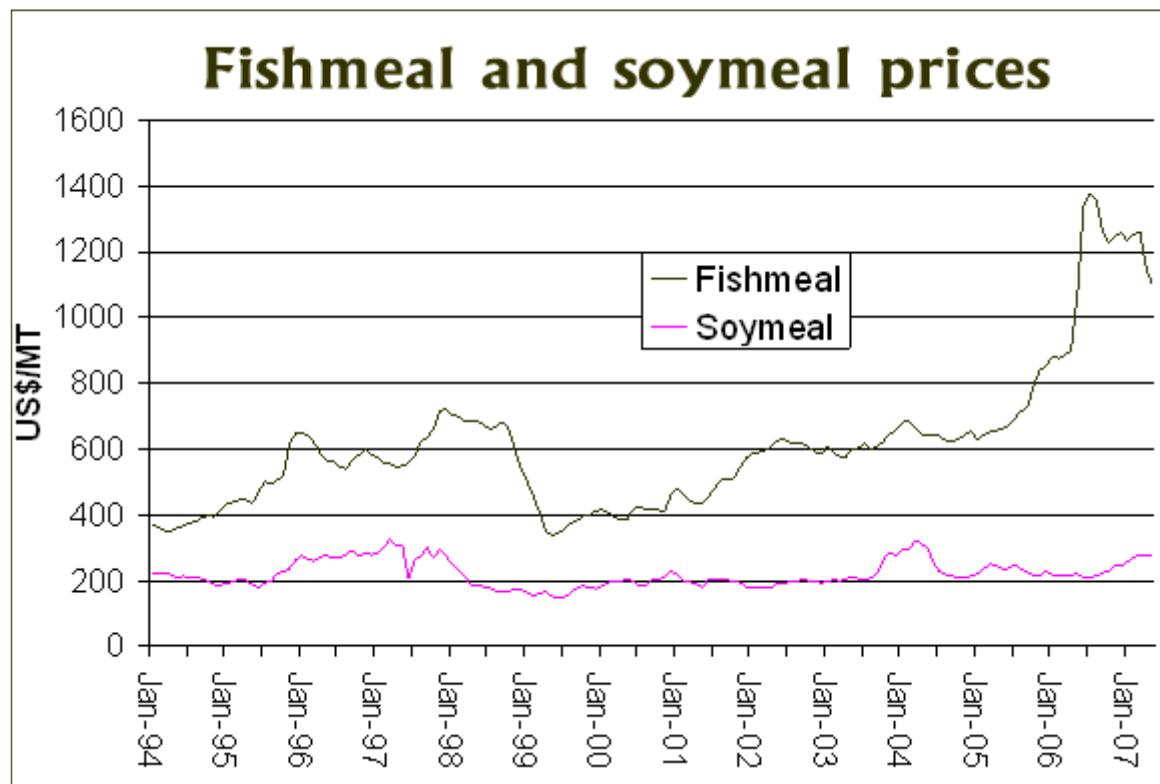
Fishmeal: World

	2001	2002	2003	2004	2005	2006	Jan-march 2006	Jan-march 2007*
(1000 tonnes)								
Peru	1844	1929	1219	1983	2126	1456	187.2	105.4
Chile	698	834	667	935	815	776	263.5	216.8
Denmark	299	311	246	259	222	213	74.3	52.7
Norway	216	227	196	212	154	176	97.6	75
Iceland	283	300	271	204	179	162	45.8	54.7
Total	3970	4376	3388	3593	3496	2783	668.4	504.6

*) estimates

High prices continue

The volume of Peruvian fishmeal exports fell slightly in March 2007 when compared to the same month last year. Nevertheless, revenues grew 46.4% given the increase in pricing in the international market. Furthermore, total revenues for the first quarter were up to US\$ 377.7 million, a 25.2% increase from last year. The main destinations for fishmeal from Peru include China with 52%, Germany 19% and Japan with 6%. Demand for fishmeal was reported low in the early months, as China had some inventories, but prices stayed surprisingly stable.



Aquaculture industry looks for alternatives

The world's farmed fish industry no longer relies entirely on fishmeal to feed its most valuable products such as salmon and trout. This is mainly a reaction to prices that surged from the US\$ 700/tonne to US\$ 1 400/tonne in the course of 2006. These high prices for fishmeal are likely to continue, making alternatives such as soy protein concentrate and wheat gluten affordable alternatives. In addition, higher prices for fishmeal will stimulate innovative approaches to recovering protein from seafood processing by-products, much of which is currently discarded. Decades of research have shown that proteins derived from grains such as corn, wheat and barley can provide the protein-rich ingredients needed in feeds for farmed salmon and trout. Growing ethanol production, particularly the use of corn to make the alcohol-based fuel, could be a boon to some types of fish farming. Dried distiller grains contain the 28 to 30% protein that fish like tilapia and catfish require. Trout and salmon need 40% protein in their diets and that, too, can be eventually met by ethanol producers.

Will La Niña bring more fish?

In the meantime, some scientists forecast a La Niña to develop within 3 months which may lead to a reduction in the price of fishmeal. La Niña phenomenon brings colder water temperatures off Peru and enhances upwelling. This in turn is likely to lead to an improvement in anchovy fisheries, and some easing of the shortage of fish meal. Already there is talk that by autumn, fishmeal prices will come down as there are some reports that China still has inventories and that there has been a rapid move away from use of fishmeal in animal feeds in China. So indicators would be for a reduction in fishmeal prices, but this decline, if at all, will be of a rather temporary nature.

More Chinese investments in Peru

China Fishery Group, a subsidiary of Pacific Andes Corp., purchased in May 2007 Pesquera Pocoma SAC, a Peruvian company that owns three purse seiners and associated fishing permits for anchovy. The acquisition will increase China Fishery's Peruvian fleet capacity by about 10%, to a total of 26 vessels with fish hold capacity of 7,363 cubic meters. China Fishery Group has been aggressively building up its fishmeal catching and processing capacity, and is becoming a main player on the world fishmeal market.

Fishmeal Market Report - April 2007



Higher fishmeal prices result in good business

Fishmeal production was low in 2006, with production in Peru declining by 32%. Fishmeal prices went up constantly during the course of the year, and this trend is likely to continue well into 2007. All main producing countries reported stable or higher export earnings from fishmeal as a result of these higher fishmeal prices. China continues to be the main market for fishmeal products, with stable or even expanding demand.

Fishmeal production down

tonnes in 2006, down from 3.5 million tonnes in 2005. Total landings of small pelagics in the six main producing countries were down by 20%. Peru was the main country responsible for this decline with 6 million tonnes production, compared to 8.8 million tonnes in 2005. Otherwise landings in Chile, Denmark and Iceland were only slightly lower than in 2005. Only Norway reported a 10% increase in small pelagic landings for reduction purposes.

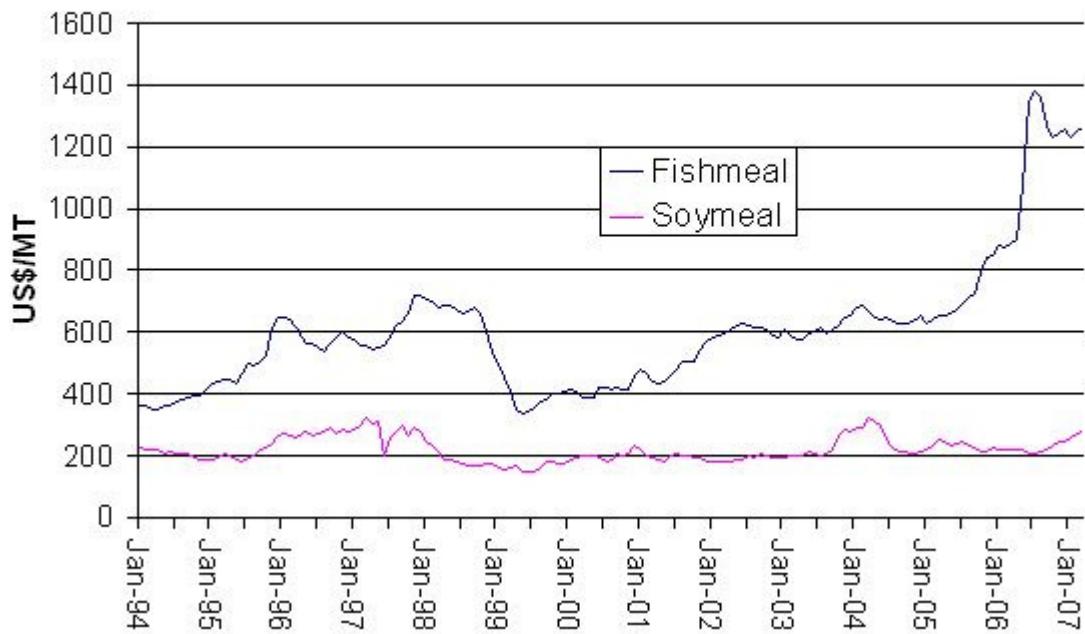
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Total	3970	4376	3388	3593	3496	2783

Source: IFFO * excluding solubles ** estimates

Fishmeal prices were firm in the opening months of 2007, after overall high prices in the course of 2006. Unsold stocks in Peru were drastically reduced, due to relatively low landings during the December 2006 period. Fishmeal prices reached about US\$ 1 000 per tonne.

Fishmeal and soymeal prices



Fishmeal production in Peru was 1.45 million tonnes in 2006, which compares to 1.9 million tonnes in 2005. This sharp reduction was caused by lower small pelagic landings, prompted by a mild form of El Niño. Reduced production led to lower exports in quantity terms; however, high fishmeal prices kept total earnings from fishmeal stable at US\$ 1.2 billion.

China continues to be the main fishmeal importing country from Peru, but imports declined sharply in 2006: only half of the 2005 amount. Germany is the second major importer, re-exporting huge quantities of fishmeal to other European countries. The unit value of fishmeal exported from Peru varies with the country of destination, being lowest for China (US\$ 800/tonne) and highest for Australia (US\$ 1074/tonne). In years of low supply, like last year, Peru is exporting more fishmeal to countries which are willing to pay a higher price for the product. As a result, exports to Japan and Australia grew in 2006.

Chilean fishmeal production was about 4% lower in 2006 when compared with 2005. As a result Chilean exports of fishmeal totalled 520 000 tonnes in 2006, which compares to 710 000 tonnes one year before. As in case of Peru, however, exports earnings were positive. Total export earnings reached US\$ 515 million, 12% ahead of 2005. The unit value of Chilean fishmeal exports increased thus strongly by 53%.

Exports

Fishmeal: Chile

	2001	2002	2003	2004	2005	2006
(1000 tonnes)						
China	*	*	158	123	264	169
Japan	128	118	72	50	100	83
Taiwan PC	42	37	103	76	72	50
Rep. Korea				28	33	30
Spain				26	33	28
Italy	99	85	30	32	30	26
Germany	121	90	37	22	23	33
Others	110	176	209	124	154	100
Total	500	506	609	481	709	519

Source: GLOBEFISH AN 11625

China is the main fishmeal buyer in the world and in a move to take advantage of this market power, Pacific Andes, one of the major traders with China, bought a top Peruvian fishmeal processing company: Alexandra SAC. Pacific Andes sees that fishmeal situation as very positive, and that the acquisition will show profitable results already in the very near future.

Imports

Fishmeal: USA

	2001	2002	2003	2004	2005	2006
(1000 tonnes)						
Mexico	11	17.1	18.2	7.7	11.1	27.6
Peru	10.9	4.2	3.9	28.4	14.3	11.2
Canada	8.1	9.4	6.9	10.8	8.7	7.4
Chile	1.5	2.1	1.6	2.3	6.5	5.9
Panama	-	4.1	3.9	0.2	0.8	1.6
Iceland	14	27.8	17.6	15.3	13.9	0.6
Others	5.9	2.4	2.8	6.2	5.2	4.4
Total	51.4	67.1	54.9	70.9	60.5	58.7

Source: GLOBEFISH AN 11630

It is interesting to note that the USA is now relying on Mexico for fishmeal supply, while Peru and Canada are losing ground. Some 80% of German fishmeal imports are coming from Peru, while the share from European suppliers is decreasing.

Imports

Fishmeal: UK

	2001	2002	2003	2004	2005	2006
(1000 tonnes)						
Iceland	54.5	64.2	49.1	42.5	33.3	13.6
Peru	54.7	28.9	47	19.4	23.2	37.6
Denmark	9.6	17.8	14.3	24.7	16.1	25.3
Chile	18.9	11.6	21.4	6.5	12.6	10.9
Faroe Is.	11.7	14.2	9.7	11.5	10.9	2.3
Norway	28	35.6	16.5	9.5	3.7	7.9
Germany	*	*	*	8.2	15.7	30.8
Ireland	*	*	*	15.1	11.6	6
Others	55.6	20	25.4	5.1	9.8	5
Total	233	192.3	183.4	142.5	136.9	139.4

Source: GLOBEFISH AN 11632, (*) included under others

Further fishmeal price increases likely

All indicators are positive for a further increase in fishmeal prices, as landings and production are likely to stay at the low 2006 level, or decline even further. Demand for fishmeal in China and other Asian countries is likely to stay strong.

By **Helga Josupeit**
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FISHMEAL

Higher fishmeal prices result in good business

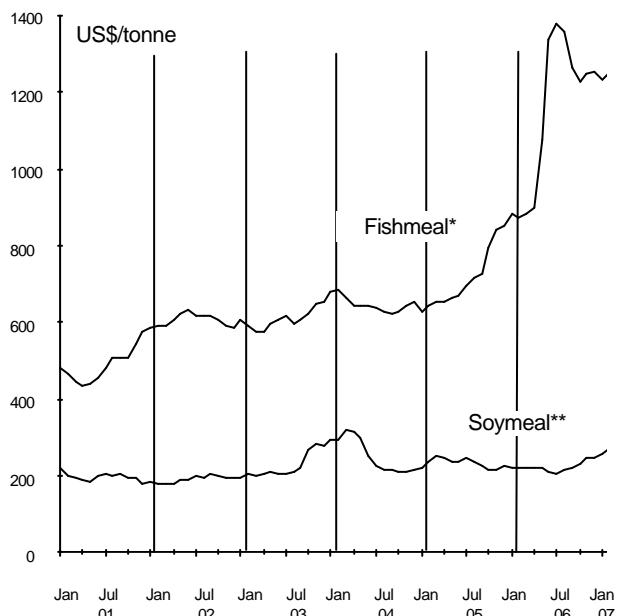
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Fishmeal production down

Fishmeal production in 2006 was lower than in 2005, with all major producing countries reporting declining fishmeal output. Fishmeal production in these countries was 2.8 million tonnes in 2006, down from 3.5 million tonnes in 2005. Total landings of small pelagics in the six main producing countries were down by 20%. Peru was the main country responsible for this decline with 6 million tonnes production, compared to 8.8 million tonnes in 2005. Otherwise landings in Chile, Denmark and Iceland were only slightly lower than in 2005. Only Norway reported a 10% increase in small pelagic landings for reduction purposes.

Fishmeal prices were firm in the opening months of 2007, after overall high prices in the course of 2006. Unsold stocks in Peru were drastically reduced, due to relatively low landings during the December 2006 period. Fishmeal prices reached about US\$ 1 000 per tonne.

Prices Fishmeal and soymeal



*all origins, 64 - 65% cif Hamburg; **44% cif Rotterdam

Source: Oil World, GLOBEFISH AN 11702, 11706

Production Fishmeal: World

	2001	2002	2003	2004	2005	2006
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Peru	1844	1929	1219	1983	2126	1456
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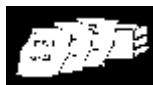
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China continues to be the main fishmeal importing country from Peru, but imports declined sharply in 2006: only half of the 2005 amount. Germany is the second major

Imports Fishmeal: UK

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Ireland	*	*	*	15.1	11.6	6.0
Others	55.6	20.0	25.4	5.1	9.8	5.0
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Source: GLOBEFISH AN 11632, (*) included under others



importer, re-exporting huge quantities of fishmeal to other European countries. The unit value of fishmeal exported from Peru varies with the country of destination, being lowest for China (US\$ 800/tonne) and highest for Australia (US\$ 1074/tonne). In years of low supply, like last year, Peru is exporting more fishmeal to countries which are willing to pay a higher price for the product. As a result, exports to Japan and Australia grew in 2006.

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Peru	10.9	4.2	3.9	28.4	14.3	11.2
Canada	8.1	9.4	6.9	10.8	8.7	7.4
Chile	1.5	2.1	1.6	2.3	6.5	5.9
Panama	-	4.1	3.9	0.2	0.8	1.6
Iceland	14.0	27.8	17.6	15.3	13.9	0.6
Others	5.9	2.4	2.8	6.2	5.2	4.4
Total	51.4	67.1	54.9	70.9	60.5	58.7

Source: GLOBEFISH AN 11630

Imports

Fishmeal: Germany

	2001	2002	2003	2004	2005	2006
	(1000 tonnes)					
Peru	145.8	147.3	174.7	151.6	200.4	202.1
Iceland	1.2	31.4	8.3	14.0	6.6	1.2
France	1.0	2.2	4.9	3.0	1.5	2.6
Norway	5.0	15.9	2.8	3.1	1.2	1.0
Faroë Is.	2.0	4.3	1.9	0.0	1.9	1.2
Denmark	2.2	2.6	1.9	3.7	4.2	8.8
Others	21.4	6.6	3.1	7.4	15.7	18.5
Total	178.6	210.3	197.6	182.8	231.5	235.4

Source: GLOBEFISH AN 11635

Exports

Fishmeal: Peru

Country	2001	2002	2003	2004	2005	2006
	(1000 tonnes)					
China	578.3	590.0	521.0	813.0	1049.4	535.2
Germany	140.8	99.4	188.7	153.1	235.9	208.9
Japan	259.6	196.0	164.6	197.0	170.2	174.0
Taiwan PC	126.1	79.2	68.3	83.0	84.0	57.1
Others	833.8	553.6	429.4	508.9	461.9	338.4
Total	1938.6	1518.2	1372.0	1755.0	2001.4	1313.6

Source: GLOBEFISH AN 11634

Exports

Fishmeal: Chile

	2001	2002	2003	2004	2005	2006
	(1000 tonnes)					
China	*	*	158	123	264	169
Japan	128	118	72	50	100	83
Taiwan PC	42	37	103	76	72	50
Rep. Korea				28	33	30
Spain				26	33	28
Italy	99	85	30	32	30	26
Germany	121	90	37	22	23	33
Others	110	176	209	124	154	100
Total	500	506	609	481	709	519

Source: GLOBEFISH AN 11625

China is the main fishmeal buyer in the world and in a move to take advantage of this market power, Pacific Andes, one of the major traders with China, bought a top Peruvian fishmeal processing company: Alexandra SAC. Pacific Andes sees that fishmeal situation as very positive, and that the acquisition will show profitable results already in the very near future.

It is interesting to note that the USA are now relying on Mexico for fishmeal supply, while Peru and Canada are losing ground. The German fishmeal imports are coming for 80% from Peru, while European suppliers are decreasing their share.

Further fishmeal price increases likely

All indicators are positive for a further increase in fishmeal prices, as landings and production are likely to stay at the low 2006 level, or decline even further. Demand for fishmeal in China and other Asian countries is likely to stay strong.

FISH OIL

Fish oil production went up slightly in 2006

Contrary to fishmeal, production of fish oil was relatively high in 2006. This resulted from high fat content of the fish processed. Total fish oil production in the six major producing countries reached 593 000 tonnes, 1% ahead of the 2005 production. Prices were relatively stable in the course of 2006, but increased sharply in the opening months of 2007. Further price hikes are expected for coming months.

Higher fish oil export earnings

Peruvian fish oil production was 287 000 tonnes last year, 4% less than in 2005. Peruvian fish oil export fetched US\$ 196 million in 2006, compared to US\$ 156 million in 2005. Chilean fish oil production was higher in 2006. As a result exports went up both in quantity and value terms. Total export earnings were US\$ 44 million, some 33% ahead of 2005.

The EU has agreed that from November 2006 fish oil for human consumption will come within the scope of the fishery product definition. Fish oils for human consumption, including those used in health supplements, will

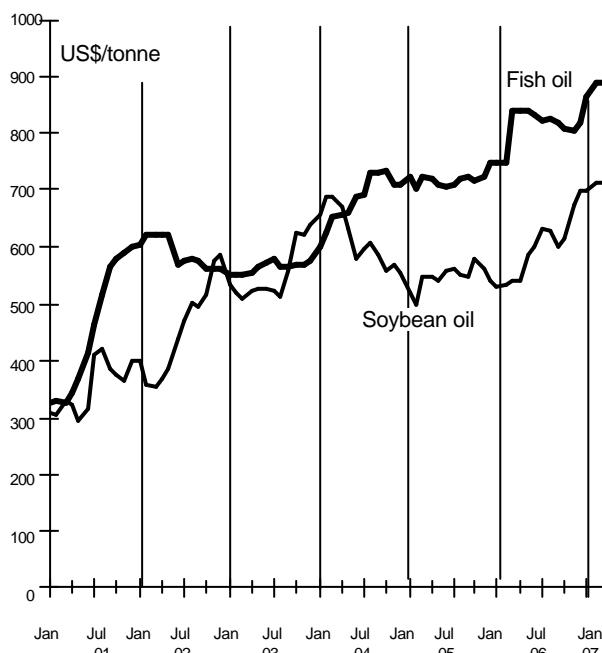
therefore be subject to the same hygiene requirements as other fishery products. Fish oil destined for human consumption must : 1. Derive from fishery products which have been found fit for human consumption; 2. Come from establishments approved in accordance with the proposed new Regulation; and 3. Be transported and stored until processing in hygienic conditions.

Even higher fish oil prices likely

Fish oil prices rose sharply during the opening months of 2007. In March 2007, the price reached US\$ 890 per tonne, compared to US\$ 820 per tonne one year earlier. The competing soybean oil also experienced similar price hikes. During 2006, fish oil prices had experienced a slightly downward trend.

Prices

Fish oil and soybean oil



Source: GLOBEFISH 12002, 2003

Exports Fish oil: USA

	2001	2002	2003	2004	2005	2006
(1000 tonnes)						
Menhaden	101.7	79.7	49.4	37.9	39.5	38.2
Other	10.7	15.9	15.4	10.9	13.6	24.7
Total	112.4	95.6	64.9	48.8	53.1	62.9

Source: GLOBEFISH AN 11789

Production Fish oil: World

	2001	2002	2003	2004	2005	2006
(1000 tonnes)						
Peru	304	193	208	352	301	287
Chile	143	146	130	142	112	118
Denmark	146	105	109	67	56	67
Iceland	108	80	92	49	55	42
Norway	66	62	51	32	31	37
Total*	887	684	681	647	589	594

Source: IFFO, *0 including others

FISH OIL & FISHMEAL



PRICES
IMPORTS
EXPORTS
PRODUCTION

FISH OIL - Price

**International palmoil prices, Mar 1984-June 2007,
in US\$/tonne**

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
J	-	585	345	400	536	401	313	411	418	468	462	693
F	-	600	325	397	482	400	313	404	435	485	469	730
M	860	650	300	374	430	400	314	399	464	480	457	763
A	860	660	320	377	440	380	307	382	465	453	518	710
M	970	620	340	374	454	409	320	391	451	430	545	681
J	720	570	340	382	522	380	NA	372	465	413	596	684
J	570	550	300	351	513	360	NA	385	445	414	587	712
A	550	450	260	372	462	360	341	393	433	412	658	670
S	600	350	270	390	390	355	342	333	445	405	708	646
O	640	390	265	388	449	351	365	392	452	392	577	661
N	580	350	345	408	475	325	NA	397	465	415	768	647
D	580	380	360	475	443	291	NA	411	452	448	754	625
Average	693	513	314	391	466	368	327	389	449	435	592	685
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
J	567	632	634	677	394	277	385	458	496	431	468	641
F	564	639	678	604	372	265	361	452	535	426	485	647
M	558	622	696	538	387	292	374	426	591	458	483	632
A	599	638	731	560	409	291	379	412	523	454	493	749
M	610	629	750	515	369	281	395	398	550	450	493	831
J	567	601	682	448	360	291	NA	477	477	458	480	925
J	548	571	698	402	354	367	430	398	463	458	503	
A	590	575	723	443	342	391	463	411	470	451	573	
S	598	579	760	458	323	329	445	395	471	464	517	
O	577	591	731	425	304	299	443	420	475	475	518	
N	595	592	735	409	303	357	480	485	458	474	576	
D	603	596	696	411	285	370	503	495	460	459	626	
Average	581	605	710	491	350	318	423	510	497	455	518	

AN 012004. 0602.

Source: OIL WORLD - 20060220.

**International soybean oil prices,
Mar 1984-June 2007, US\$/tonne**

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
J	-	620	450	315	433	447	417	455	429	444	602	674
F	-	675	400	307	406	412	428	444	413	433	577	663
M	800	680	375	305	396	437	442	453	434	438	586	652
A	880	700	365	333	409	440	440	459	425	448	584	610
M	830	675	360	351	432	447	449	450	444	448	589	595
J	700	635	350	351	544	420	435	440	439	461	571	612
J	680	580	320	318	600	447	437	431	429	505	560	626
A	690	510	280	322	534	404	455	446	409	484	594	616
S	680	465	285	348	478	410	461	468	421	489	672	614
O	700	450	275	348	449	419	468	485	418	491	639	638
N	700	450	310	338	447	441	456	488	437	561	706	624
D	620	480	320	407	444	429	478	442	436	589	693	579
Average	728	577	341	337	464	429	447	455	428	483	614	625
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
J	554	534	625	546	371	306	400	535	658	521	532	697
F	548	527	634	487	357	302	358	521	689	497	536	714
M	538	541	652	444	362	329	353	508	691	546	539	712
A	582	536	662	442	368	321	370	524	671	547	540	761
M	591	541	671	428	340	295	385	529	632	538	588	788
J	563	550	629	410	328	315	438	526	581	559	601	840
J	549	535	612	392	340	409	470	523	597	561	630	
A	565	544	592	413	329	422	503	512	610	549	629	
S	569	555	615	414	312	382	577	558	585	545	602	
O	528	611	614	401	319	376	517	624	558	579	615	
N	517	676	614	382	272	365	577	619	567	560	675	
D	514	622	591	369	325	399	585	638	553	537	699	
Average	552	564	626	427	335	352	461	551	616	545	599	

AN 012003. 0706.

Source: OIL WORLD - 20070618.

**International market prices (monthly averages) for fish oil,
any origin, CIF N.W. Europe, Jan 1981-June 2007, in US\$/tonne**

Month	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
J	463	377	345	461	313	330	206	384	271	231	332	362
F	450	380	321	420	313	275	203	366	251	234	331	329
M	430	380	333	419	311	271	200	344	220	243	332	325
A	430	400	355	401	293	265	205	341	223	235	332	346
M	428	405	360	376	279	225	212	336	206	216	319	355
J	415	365	326	370	270	181	208	398	181	218	296	368
J	410	305	331	318	276	150	196	465	168	244	271	367
A	385	278	404	293	305	138	209	370	196	271	295	378
S	370	295	442	294	295	163	236	326	214	241	310	405
O	375	305	426	294	315	170	290	326	224	250	341	426
N	400	320	441	322	334	175	300	288	247	294	383	416
D	395	349	470	320	330	180	345	279	252	326	375	393
Average	413	347	380	357	303	210	234	352	221	250	326	373
Month	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
J	368	395	410	518	490	711	465	284	324	605	551	600
F	349	383	400	426	485	720	339	275	328	620	548	625
M	345	378	435	383	484	728	300	249	323	620	550	652
A	346	325	410	430	485	734	276	235	345	620	553	658
M	372	281	380	437	505	740	278	240	369	580	563	660
J	373	299	391	430	526	749	293	250	413	570	573	690
J	371	283	448	395	532	771	288	253	461	574	580	695
A	365	285	481	417	525	759	295	250	515	580	564	730
S	371	279	504	470	546	763	308	255	565	577	563	730
O	359	283	524	475	611	757	320	260	579	561	567	736
N	343	324	550	478	678	714	309	272	590	564	570	710
D	378	389	548	480	695	581	293	325	600	560	575	707
Average	362	325	457	445	547	727	314	262	451	586	563	683
Month	2005	2006	2007									
J	725	750	865									
F	701	750	888									
M	725	840	894									
A	719	840	915									
M	710	841	916									
J	705	835	890									
J	707	824										
A	720	828										
S	722	821										
O	717	808										
N	725	806										
D	750	820										
Average	719	814										

AN 012002. 0706.

Source: OIL WORLD/GLOBEFISH - 20070620.

FISH OIL - Imports

**Yearly cumulative imports of fish oil into UK, 1988-2006,
in 1 000 tonnes**

Country	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
Norway	21.1	26.1	1.7	36.5	35.1	31.4	30.6	37.4	26.9	28.6
Iceland	18.9	2.4	1.3	2.0	10.2	15.8	10.6	12.1	24.2	15.2
Peru	-	-	-	-	-	-	-	-	-	-
Netherlands	3.2	1.8	1.2	1.2	1.3	9.3	13.4	8.2	6.4	5.6
Denmark	3.2	6.8	0.3	21.3	19.5	9.2	113.2	5.8	7.3	1.0
Ireland	4.8	3.9	0.2	4.0	4.9	3.4	240.6	23.2	6.6	3.0
Namibia	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Angola	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Others	112.6	136.9	156.5	75.2	50.3	62.0	69.2	44.0	15.0	18.0
Total	163.8	177.9	161.2	140.2	121.3	131.1	477.6	130.7	86.4	71.4

Country	1998	1999	2000	2001	2002	2003	2004	2005	2006
Norway	29.1	23.6	32.0	23.8	16.8	15.0	9.3	6.5	10.1
Iceland	9.0	5.7	1.9	12.9	13.0	25.6	32.8	6.2	2.9
Peru	-	-	-	10.1	1.8	0.8	7.9	5.9	0.0
Netherlands	2.0	1.9	1.9	1.4	1.8	1.3	26.7	4.3	4.6
Denmark	2.8	11.0	0.9	5.3	0.6	3.7	2.5	1.3	0.0
Ireland	1.4	0.6	1.5	0.8	0.5	0.4	0.6	0.0	0.0
Namibia	0.5	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0
Angola	0.0	0.7	1.3	0.0	0.0	0.0	0.0	0.0	0.0
Others	4.7	3.3	2.1	6.1	1.3	1.2	5.8	5.9	1.4
Total	49.5	46.8	44.7	60.4	35.9	48.1	85.5	30.1	19.0

AN 011930. 0706.

Source: national statistics - 20070606.

**Yearly cumulative imports of fish oil into Germany,
1988-2006, in 1 000 tonnes**

	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
France*	2.4	2.8	2.9	2.0	2.6	3.8	3.6	4.4	2.4	4.4
Netherlands*	7.2	3.9	4.6	4.2	4.6	4.1	4.3	4.4	9.1	2.6
Denmark	12.9	2.0	8.8	18.1	31.9	8.1	6.4	9.2	8.0	5.4
Spain*	0.3	0.2	0.2	2.7	5.6	0.4	0.1	0.1	0.0	0.2
Norway	11.4	6.0	2.4	8.9	4.3	3.5	5.6	8.3	11.1	3.4
UK*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0
Peru*	0.0	119.1	17.2	6.3	0.0	39.2	55.0	32.3	17.1	17.6
Sweden*	1.3	0.6	0.0	0.0	0.2	0.3	0.0	0.0	0.0	0.1
Chile	15.5	24.7	23.8	29.2	3.4	3.8	5.2	18.8	7.1	0.1
Belgium	*	*	*	*	*	*	*	*	*	*
Ireland	9.9	3.1	4.3	3.0	9.3	8.1	2.5	4.0	8.6	3.0
Others	76.4	36.6	42.2	37.0	6.2	0.7	7.1	6.1	2.9	6.3
Total	137.3	199.0	106.4	111.4	68.2	72.0	89.8	87.6	66.4	43.1

**Yearly cumulative imports of fish oil into Germany,
1988-2006, in 1 000 tonnes (cont)**

	1998	1999	2000	2001	2002	2003	2004	2005	2006
France*	2.3	4.8	6.1	6.7	6.4	5.9	4.2	2.5	1.5
Netherlands*	5.3	3.0	2.9	2.4	4.1	2.0	0.8	0.7	0.9
Denmark	2.2	0.9	1.3	1.3	0.7	0.5	0.5	0.6	0.7
Spain*	0.5	0.2	0.2	0.3	0.4	0.0	0.2	0.0	0.1
Norway	0.0	0.2	0.2	0.3	0.8	0.5	0.5	1.0	0.4
UK*	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.4
Peru*	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
Sweden*	0.4	0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.0
Chile	0.0	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0
Belgium	*	*	*	1.4	0.0	0.0	0.0	0.0	0.0
Ireland	0.0	0.2	0.4	0.3	0.0	0.0	0.0	0.0	0.0
Others	1.0	2.7	2.5	0.2	0.6	11.4	9.8	2.3	2.5
Total	11.8	12.3	14.3	13.2	13.1	20.6	16.3	7.2	6.5

*: 1982-1988 included under Others.

AN 011929. 0706.

Source: EUROSTAT/NATIONAL STATISTICS - 20070614.

**Yearly imports of fish oils and fats, crude or refined,
of aquatic animal origin, by major importers, 1979-2005, in US\$ million**

Country	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Norway	13.6	18.7	7.4	7.5	3.7	10.7	18.3	18.7	15.8	40.4	28.8	21.5
Chile	0.1	0.0	0.0	0.4	-	-	-	-	-	-	-	-
UK	101.1	113.7	94.2	89.8	69.6	86.5	84.0	41.5	51.2	57.7	42.0	45.6
Japan	6.3	6.7	6.7	5.1	7.5	9.6	14.8	26.9	12.4	13.4	8.6	14.3
Denmark	2.1	1.6	0.9	0.9	0.6	1.2	1.2	1.1	5.9	8.2	6.5	7.3
USA	5.9	7.2	6.8	6.3	5.4	4.6	5.2	9.3	18.9	9.7	11.8	11.4
Netherlands	70.8	63.4	61.6	65.7	57.5	77.9	71.1	41.2	36.0	51.3	42.1	42.0
France	8.8	9.3	8.4	4.0	3.3	5.6	7.5	4.3	4.9	8.3	5.6	7.1
Canada	0.3	0.8	0.6	0.4	0.5	0.4	0.3	0.5	1.3	2.6	1.3	1.6
Spain	4.0	3.0	2.7	0.6	0.9	4.1	4.6	5.2	2.1	10.8	3.2	3.1
Italy	5.5	2.9	2.5	2.4	2.6	3.9	6.5	4.6	5.3	6.8	6.4	7.1
Germany	80.7	77.6	71.7	66.6	53.6	87.4	83.6	52.2	34.1	49.8	44.1	29.1
China	-	-	-	-	-	-	-	-	0.5	0.5	0.5	1.2
Sweden	8.0	4.2	4.2	4.1	3.6	6.5	6.7	3.2	1.7	3.1	3.4	3.8
Korea Rep	1.8	0.5	0.6	0.6	0.7	1.2	5.8	3.9	5.3	4.6	7.0	9.4
Australia	0.7	0.5	0.5	0.4	0.3	0.4	0.4	0.5	0.7	0.8	1.6	0.7
Taiwan PC	1.4	0.9	0.7	0.8	1.0	1.6	1.4	2.0	2.3	2.9	2.5	2.2
Switzerland	2.2	2.1	1.4	1.1	1.3	1.2	1.2	2.2	2.3	3.0	1.6	2.0
Thailand	0.0	0.1	0.1	0.0	0.0	0.0	0.0	-	-	-	2.1	3.3
Mexico	1.2	0.7	0.8	0.8	0.1	0.2	0.4	0.2	0.2	0.5	3.1	9.5
Others	52.1	54.1	70.5	60.3	60.8	69.1	53.9	44.0	43.7	48.4	38.6	35.8
Total	366.6	368.0	342.3	317.8	273.0	372.1	366.9	261.5	244.6	322.8	260.8	258.0

**Yearly imports of fish oils and fats, crude or refined,
of aquatic animal origin, by major importers, 1979-2005, in US\$ million (cont)**

Country	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Norway	26.5	27.6	42.1	46.2	68.7	77.2	103.5	112.5	80.3	64.5	96.4	104.3
Chile	-	2.6	1.7	0.4	0.6	6.0	4.6	7.7	26.1	22.1	27.0	14.3
UK	48.3	62.2	51.1	51.8	53.2	46.7	45.9	44.0	35.8	27.6	35.6	33.3
Japan	22.8	37.9	28.0	33.6	46.2	54.1	43.1	25.0	19.7	21.2	45.1	43.9
Denmark	7.8	11.0	13.4	12.4	9.9	12.2	26.6	23.8	16.9	16.2	16.4	18.6
USA	13.2	14.3	18.2	16.8	15.1	20.2	24.6	20.5	16.3	20.3	17.9	21.5
Netherlands	43.5	40.7	38.5	57.9	87.5	47.8	50.8	28.8	33.4	25.5	25.0	26.1
France	5.7	10.1	10.5	13.9	20.9	14.8	22.7	23.1	14.5	12.2	20.2	18.8
Canada	2.1	3.3	5.5	7.2	11.1	17.8	18.3	24.3	16.7	11.3	20.0	20.5
Spain	3.7	3.6	4.2	6.1	8.7	8.4	10.2	13.8	8.3	6.4	10.7	15.0
Italy	6.3	7.7	8.9	12.8	15.3	13.6	13.8	16.9	15.0	11.4	10.7	12.5
Germany	35.8	26.7	26.5	31.9	36.4	29.6	21.8	10.6	7.5	7.2	9.3	12.2
China	1.4	2.1	2.7	2.2	5.3	14.5	9.1	7.8	2.6	11.3	4.7	4.5
Sweden	4.7	4.3	4.4	2.9	5.1	3.4	3.7	3.6	3.2	3.1	2.9	2.6
Korea Rep	15.0	11.5	11.3	15.4	14.1	15.7	10.2	5.9	7.5	7.7	9.2	11.3
Australia	1.0	0.9	1.0	2.2	2.7	3.2	5.7	4.5	4.4	5.3	7.8	7.8
Taiwan PC	2.6	2.7	2.5	4.3	5.6	5.3	7.5	3.0	5.0	3.8	4.9	4.7
Switzerland	1.7	2.1	2.0	3.3	2.4	2.2	2.0	2.2	2.0	3.1	1.3	2.9
Thailand	3.0	2.5	3.3	4.7	6.7	5.9	3.6	2.3	3.2	3.4	3.8	3.2
Mexico	12.9	9.5	8.3	15.9	31.7	29.2	26.8	1.1	20.1	18.0	2.1	1.0
Others	37.3	33.6	38.3	52.1	80.9	55.1	50.0	30.6	31.9	37.1	39.9	49.1
Total	295.3	316.9	322.4	394.0	528.1	482.9	504.5	412.0	370.4	338.7	410.9	428.1

Country	2003	2004	2005
Norway	119.1	143.5	153.5
Chile	46.3	48.5	35.1
UK	42.7	47.3	42.7
Japan	36.8	35.7	45.3
Denmark	35.0	54.1	79.2
USA	33.2	37.6	45.1
Netherlands	28.5	27.5	24.3
France	24.4	26.3	26.6
Canada	22.5	26.9	30.0
Spain	18.4	18.0	21.0
Italy	14.6	14.9	21.6
Germany	14.4	17.5	18.8
China	9.2	19.9	20.7
Sweden	8.0	12.7	15.2
Korea Rep	7.7	9.0	12.4
Australia	7.3	9.2	13.2
Taiwan PC	5.2	7.7	11.0
Switzerland	3.9	3.7	7.3
Thailand	3.7	4.0	7.7
Mexico	0.8	7.7	10.2
Others	57.1	89.3	107.2
Total	538.8	660.8	748.1

AN 011928. 0706.

Source: FISHDAB - 20070620.

**Yearly imports of fish oils and fats, crude or refined,
of aquatic animal origin, by major importers, 1979-2005, in 1 000 tonnes**

Country	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Norway	28.7	38.2	15.0	16.9	5.7	27.2	51.9	79.2	48.9	102.6	109.6	75.3
Chile	0.0	0.0	0.0	0.1	-	-	-	-	-	-	-	-
UK	214.8	238.6	221.6	248.8	197.3	230.7	264.9	169.7	204.0	163.8	177.9	161.8
Denmark	3.2	2.2	1.1	1.7	0.8	2.7	2.8	2.3	22.2	23.4	20.9	21.5
Japan	4.8	2.6	2.2	3.8	5.4	7.0	7.7	7.6	7.2	7.4	3.4	3.0
Canada	0.3	0.5	0.4	0.2	0.8	0.3	0.4	0.5	0.6	3.7	2.1	5.3
France	16.8	16.7	18.3	10.5	9.2	15.0	22.1	13.3	18.4	23.0	20.0	21.6
Netherlands	160.1	141.8	152.8	183.9	178.8	213.1	234.4	166.9	168.9	156.7	171.7	179.0
Spain	9.1	7.0	5.9	1.5	3.0	9.6	7.3	10.5	6.4	26.7	10.9	9.3
Italy	8.8	4.1	4.1	5.0	5.7	7.9	16.4	10.2	13.3	13.2	14.3	14.8
USA	8.5	11.5	9.9	7.4	8.5	7.5	9.3	10.5	13.7	12.5	18.7	17.6
Germany	177.6	172.3	176.6	189.6	160.7	242.6	278.1	192.8	148.1	137.4	194.1	108.2
China	-	-	-	-	-	-	-	-	1.0	1.1	1.0	0.8
Australia	0.7	0.4	0.5	0.5	0.3	0.5	0.6	0.7	0.9	0.8	1.6	0.7
Korea Rep	3.3	0.9	1.1	1.4	1.7	3.0	19.6	14.1	22.2	9.9	20.5	25.1
Mexico	1.9	1.3	1.3	1.4	0.3	0.5	1.1	0.5	0.5	1.0	13.6	40.0
Others	123.5	113.5	120.7	122.5	145.0	175.3	164.5	134.8	144.2	115.6	126.7	118.4
Total	762.1	751.6	731.5	795.2	723.2	942.9	1081.1	813.6	820.5	798.8	907.0	802.4
Country	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Norway	74.9	72.1	113.0	138.8	174.6	175.7	201.7	157.1	219.6	234.8	246.1	183.5
Chile	-	6.5	5.1	1.4	1.6	15.5	11.4	12.0	60.3	94.6	66.6	32.3
UK	140.2	121.3	131.1	138.4	128.5	79.6	71.3	49.5	46.8	46.0	60.4	35.9
Denmark	16.5	19.3	34.7	23.2	14.6	14.1	40.8	25.5	22.8	29.6	30.8	27.3
Japan	5.2	8.8	15.3	45.5	83.8	91.4	69.8	28.0	26.4	51.4	91.2	60.8
Canada	3.2	6.2	10.9	16.8	25.7	36.6	30.4	34.0	40.1	24.6	51.3	39.5
France	14.7	24.9	25.1	29.1	44.5	26.9	39.7	27.7	37.1	39.7	46.8	30.2
Netherlands	147.7	116.9	109.4	181.7	215.1	104.3	95.2	37.4	96.8	85.1	65.7	40.0
Spain	7.4	4.4	6.5	12.2	17.0	14.5	15.9	18.0	20.0	19.3	23.2	18.2
Italy	12.0	13.8	15.6	22.2	28.2	22.1	21.3	19.4	28.2	28.7	21.8	17.4
USA	15.0	14.9	21.7	18.4	11.7	16.2	11.6	11.0	11.6	12.3	10.7	15.2
Germany	116.6	68.2	72.0	89.8	87.6	66.4	42.0	11.8	12.3	14.3	13.2	13.8
China	1.4	2.0	3.5	2.8	6.9	10.7	1.8	5.1	2.7	25.8	3.9	3.9
Australia	1.0	1.3	1.5	3.9	6.2	5.0	9.2	8.1	8.7	9.2	10.1	10.0
Korea Rep	23.8	20.2	10.7	12.1	18.3	14.3	10.3	5.7	7.1	8.4	8.2	10.0
Mexico	45.8	28.2	27.1	44.0	76.6	69.2	55.4	1.0	57.4	76.5	6.9	0.9
Others	105.5	70.0	79.8	123.7	187.9	109.1	84.5	34.7	48.9	66.0	62.9	60.5
Total	730.9	599.0	683.0	904.0	1128.8	871.6	812.3	486.0	746.8	866.3	819.8	599.4

**Yearly imports of fish oils and fats, crude or refined,
of aquatic animal origin, by major importers, 1979-2005, in 1 000 tonnes (cont)**

Country	2003	2004	2005
Norway	200.0	199.5	214.5
Chile	91.7	87.6	62.6
UK	48.1	56.5	31.2
Denmark	47.8	65.5	94.6
Japan	41.8	41.3	53.2
Canada	40.5	42.3	34.1
France	36.7	35.1	30.8
Netherlands	31.1	30.7	19.9
Spain	25.1	24.8	28.5
Italy	18.3	15.6	23.3
USA	17.7	21.8	30.4
Germany	10.3	8.1	6.7
China	9.5	16.7	15.4
Australia	7.7	8.8	11.2
Korea Rep	4.8	7.7	10.2
Mexico	0.8	0.8	0.8
Others	64.7	97.0	114.2
Total	696.8	759.8	781.3

AN 011927. 0706.

Source: FISHDAB - 20070607.

FISH OIL - Exports

**Yearly and monthly fish oil exports from USA,
in million lbs, total 1984-2006**

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
MENHADEN	391.8	278.2	188.9	247.6	145.6	192.6	216.1	247.9	159.4	149.0	199.5	215.9
OTHER(1)	7.6	0.8	3.3	1.5	3.7	2.2	1.0	4.0	16.5	30.2	32.3	42.2
Total	399.4	279.0	192.2	249.1	149.3	194.8	217.1	251.9	175.9	179.2	231.8	258.1
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	
MENHADEN	128.4	155.8	137.8	199.3	119.7	224.2	175.7	109.0	83.5	87.0	84.2	
OTHER(1)	54.1	57.8	56.3	33.1	22.0	23.6	35.1	34.0	24.1	30.0	54.5	
Total	182.5	213.6	194.1	232.4	141.7	247.8	210.8	143.0	107.6	117.0	138.7	

(1) May include exports of whale and sperm oil.

AN 011879. 0706.

Source: FISHMEAL AND OIL, NMFS - 20070705.

**Yearly exports of oils and fats, crude or refined,
of aquatic animal origin, by major exporters, in US\$ million, 1979-2005**

Country	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Peru	22.0	1.7	0.6	13.7	-	14.4	8.3	9.8	0.2	0.2	15.2	4.3
Iceland	36.1	34.8	33.0	11.8	3.4	21.7	35.4	25.1	19.4	31.8	18.0	18.0
Denmark	26.3	40.2	33.1	22.9	22.6	20.9	18.4	12.6	8.6	17.1	7.5	10.5
Norway	47.1	50.2	51.5	42.2	45.8	33.7	41.5	19.8	27.2	24.4	18.0	17.5
USA	39.6	52.4	42.6	35.7	59.8	71.0	36.8	20.8	23.3	21.9	21.5	25.4
Netherlands	6.3	8.5	6.5	7.0	6.3	9.6	7.2	8.8	11.0	12.3	11.5	10.6
France	4.0	2.6	2.4	2.7	2.6	2.9	3.5	3.8	4.1	6.9	5.5	5.8
Morocco	2.5	1.2	2.9	0.4	2.5	1.3	0.0	0.9	0.5	0.2	0.2	1.1
UK	2.7	3.3	1.6	3.1	1.4	1.2	2.9	4.4	5.7	2.9	2.7	4.2
Chile	21.5	34.6	27.0	26.9	6.7	28.5	35.7	18.5	16.7	23.5	22.7	14.4
Spain	2.0	3.3	2.7	3.1	1.6	2.8	6.5	4.5	2.8	3.1	2.8	4.8
Sweden	1.4	1.9	1.5	1.5	1.2	1.3	0.7	0.5	0.7	2.1	1.6	1.9
Japan	72.9	61.1	63.1	52.5	75.5	97.6	61.5	41.8	34.9	100.4	32.8	44.7
Germany	2.6	2.9	2.5	2.3	5.0	5.1	8.5	4.9	3.6	7.7	8.2	8.1
Canada	3.8	3.9	3.6	2.3	2.9	2.6	2.6	2.1	2.4	3.1	2.0	2.9
Panama	1.4	4.7	1.3	0.3	0.9	0.4	6.0	1.5	1.7	1.0	2.2	1.1
Australia	1.6	0.0	0.0	0.0	0.0	1.2	0.0	0.1	0.0	0.1	0.2	0.1
Portugal	2.7	3.3	3.0	1.5	1.4	1.5	6.3	3.0	1.5	2.4	2.4	6.4
Others	12.6	9.5	11.3	5.5	11.7	11.0	16.6	19.1	16.7	31.3	18.9	24.3
Total	309.1	320.1	290.2	235.4	251.3	328.7	298.4	202.0	181.0	292.4	193.9	206.1

**Yearly exports of oils and fats, crude or refined,
of aquatic animal origin, by major exporters, in US\$ million, 1979-2005 (cont)**

Country	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Peru	5.6	7.8	33.5	67.5	61.4	75.2	89.7	18.3	68.3	80.6	91.1	69.7
Iceland	12.0	27.0	41.5	31.6	37.7	58.6	65.7	65.3	33.8	24.1	41.2	41.3
Denmark	25.4	33.7	25.0	29.7	54.5	52.0	54.9	57.3	40.0	34.1	41.7	54.8
Norway	25.4	27.5	28.1	31.5	43.3	44.7	45.6	41.3	34.6	36.6	31.2	37.4
USA	34.7	29.4	28.5	39.0	44.2	36.4	53.7	59.9	35.8	24.1	41.7	49.3
Netherlands	8.8	8.3	12.2	17.0	20.3	17.9	19.4	17.5	12.7	10.4	11.8	22.8
France	5.0	7.6	10.2	11.2	12.4	9.6	11.0	9.7	7.9	8.8	10.1	12.6
Morocco	1.1	0.7	0.2	0.2	4.1	1.8	3.3	2.0	1.3	2.5	10.5	6.4
UK	3.2	8.2	9.8	9.7	15.6	12.0	10.3	8.9	8.6	5.5	5.9	9.3
Chile	26.5	15.1	19.0	43.8	49.2	41.7	13.2	3.3	13.4	3.1	2.0	12.9
Spain	5.9	9.8	8.0	7.3	6.7	9.5	8.1	4.5	5.0	4.3	8.6	12.7
Sweden	3.0	3.1	3.6	4.4	4.9	5.8	8.1	10.4	11.8	9.0	7.5	8.1
Japan	31.4	19.3	14.2	9.9	9.4	10.1	9.6	6.3	10.1	9.1	8.3	8.3
Germany	6.2	4.2	2.4	2.7	7.9	3.6	3.7	7.5	4.5	3.7	5.3	7.1
Canada	3.6	3.8	3.3	2.1	2.6	3.5	5.6	5.9	3.1	3.6	2.9	4.3
Panama	1.6	2.3	2.1	2.5	1.9	0.7	3.9	5.5	0.7	1.8	5.2	3.4
Australia	0.4	1.2	1.1	0.9	1.2	1.7	1.8	2.3	0.9	1.6	1.2	0.6
Portugal	8.1	16.3	7.9	5.0	6.3	6.7	5.4	3.9	2.2	2.2	2.2	1.3
Others	28.5	22.2	19.3	15.7	19.2	20.8	24.2	24.9	12.1	16.2	16.4	26.1
Total	236.4	247.5	269.9	331.7	402.8	412.3	437.2	354.7	306.8	281.3	344.8	388.4

Country	2003	2004	2005
Peru	80.1	150.3	156.1
Iceland	74.3	48.5	42.2
Denmark	67.0	83.4	91.1
Norway	50.3	50.6	54.0
USA	38.1	28.7	43.6
Netherlands	26.1	33.5	29.2
France	15.7	15.8	15.4
Morocco	11.6	18.4	15.3
UK	10.4	23.2	19.9
Chile	10.3	17.6	26.1
Spain	10.1	6.9	8.2
Sweden	9.8	15.5	13.6
Japan	9.4	12.4	12.0
Germany	8.9	11.1	12.0
Canada	4.5	9.1	14.6
Panama	2.1	3.1	2.9
Australia	1.6	0.5	0.2
Portugal	1.4	0.2	0.2
Others	32.5	51.8	62.9
Total	464.2	580.7	619.4

AN 011877. 0706.

Source: FISHDAB - 20070605.

**Yearly exports of oils and fats, crude or refined,
of aquatic animal origin, by major exporters, in 1 000 tonnes, 1979-2005**

Country	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Peru	49.2	1.7	1.0	46.4	-	43.0	34.8	56.5	1.0	1.5	96.0	26.5
Iceland	94.3	87.1	84.5	40.1	8.7	60.0	126.6	100.4	82.5	101.5	56.5	66.7
Denmark	65.1	104.9	88.9	69.8	68.3	64.2	61.1	62.4	39.6	48.1	27.6	39.4
USA	90.0	128.8	108.1	91.8	183.3	181.2	126.6	87.2	113.0	67.7	91.6	107.3
Norway	94.0	93.2	118.6	111.5	137.3	86.0	123.0	44.8	77.7	49.5	43.0	45.8
Morocco	6.8	3.5	9.7	1.5	7.9	5.0	0.0	3.8	3.1	0.6	1.2	4.8
France	7.2	4.2	4.9	6.8	6.3	6.4	8.8	8.5	9.8	14.4	13.9	14.2
Chile	51.8	87.9	71.6	89.2	18.6	94.7	135.0	114.0	91.6	75.5	141.9	83.9
Netherlands	10.1	12.6	11.8	13.6	13.5	20.2	16.0	18.1	21.9	19.9	19.8	16.8
Germany	4.0	4.2	4.7	5.1	11.8	11.6	19.3	13.5	9.0	14.1	22.3	16.8
Canada	11.4	8.6	9.1	6.0	7.5	6.8	6.2	5.2	7.0	7.9	6.1	8.4
Sweden	3.6	4.5	4.0	4.7	2.8	4.2	2.4	2.4	3.0	4.3	3.9	5.0
Panama	3.6	13.1	3.9	1.1	2.8	1.6	28.8	11.2	10.2	3.1	13.4	6.1
Spain	3.3	4.9	3.9	5.5	0.6	2.2	8.1	2.4	2.2	2.3	3.9	6.8
Korea Rep	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.2	0.5	0.0	0.0
New Zealand	0.0	0.0	0.0	0.0	0.0	1.1	1.9	0.8	0.7	0.9	1.4	1.4
Mexico	0.0	0.0	0.0	0.4	0.1	0.0	0.2	0.5	0.9	-	0.5	0.4
UK	2.7	1.7	1.2	2.4	1.8	1.1	4.1	5.3	4.8	1.8	1.5	7.4
South Africa	13.3	0.7	10.8	2.0	8.6	1.7	1.4	0.1	23.9	6.6	0.0	0.0
Others	214.4	179.2	191.0	188.4	248.4	353.6	286.2	256.0	184.3	415.4	247.4	277.8
Total	724.8	740.8	727.7	686.3	728.3	944.7	990.5	793.1	686.4	835.6	791.9	735.5

Country	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Peru	33.9	24.4	119.9	285.6	206.0	225.1	228.9	35.4	259.3	456.4	315.4	161.6
Iceland	32.3	72.5	113.4	89.6	91.4	139.2	131.7	89.9	87.7	78.5	101.1	66.3
Denmark	78.4	94.3	74.8	97.2	140.6	108.0	104.1	75.8	94.3	113.7	98.1	81.8
USA	114.4	80.5	83.7	110.1	118.1	85.1	97.6	89.2	105.5	64.5	112.9	96.5
Norway	62.7	57.3	65.4	68.4	90.1	73.4	58.6	44.7	57.3	62.8	43.5	38.4
Morocco	3.7	1.9	0.5	0.7	9.9	3.4	6.9	3.6	4.5	3.0	16.0	11.7
France	11.2	15.5	21.0	21.6	21.2	15.8	17.5	10.7	14.0	19.7	19.7	18.0
Chile	108.7	51.8	71.2	165.7	150.6	127.2	32.4	4.5	64.5	16.1	6.3	23.6
Netherlands	14.0	13.1	24.4	29.3	27.0	24.2	22.0	14.6	13.1	13.9	14.2	19.3
Germany	12.2	8.7	3.6	4.0	16.5	4.5	3.2	6.0	3.1	1.8	6.2	6.8
Canada	9.6	10.2	6.4	3.6	4.5	5.7	7.5	4.7	5.4	5.2	4.5	5.6
Sweden	5.9	5.5	7.3	11.6	7.4	6.7	5.6	7.5	9.7	6.6	5.1	5.3
Panama	8.6	8.6	8.6	12.6	7.4	2.3	10.7	10.6	4.0	9.7	16.7	7.9
Spain	3.5	8.4	8.0	5.6	3.5	7.0	5.4	3.5	7.2	4.2	5.6	6.4
Korea Rep	0.4	0.4	0.7	1.0	2.5	1.8	1.7	2.7	1.0	2.7	2.9	2.1
New Zealand	1.2	1.0	0.6	1.1	1.8	2.1	-	2.2	3.6	3.1	3.2	2.9
Mexico	0.0	0.0	0.0	0.0	0.1	1.9	1.6	3.1	0.8	1.9	3.4	9.8
UK	2.9	11.8	11.2	12.3	15.1	6.2	6.1	4.0	2.6	1.8	1.7	2.0
South Africa	0.2	0.6	0.6	0.1	0.3	0.4	0.3	2.3	0.0	5.2	0.1	0.9
Others	161.6	73.7	43.2	30.7	33.4	28.5	28.0	27.4	15.2	19.7	20.9	27.0
Total	665.4	540.2	664.5	950.8	947.4	868.5	769.8	442.4	752.8	890.5	797.5	593.9

**Yearly exports of oils and fats, crude or refined,
of aquatic animal origin, by major exporters, in 1 000 tonnes, 1979-2005 (cont)**

Country	2003	2004	2005
Peru	185.3	287.1	287.1
Iceland	129.9	66.3	48.9
Denmark	102.5	112.7	104.5
USA	66.7	48.8	56.1
Norway	40.2	28.7	25.1
Morocco	19.7	32.4	24.1
France	18.9	17.3	16.6
Chile	18.6	28.1	42.2
Netherlands	16.4	26.0	17.3
Germany	7.5	9.3	4.8
Canada	4.4	7.8	5.0
Sweden	5.3	6.4	4.1
Panama	5.2	7.1	7.1
Spain	4.4	4.2	4.0
Korea Rep	4.0	5.4	3.2
New Zealand	2.7	3.0	2.4
Mexico	2.2	0.8	0.6
UK	1.2	3.2	2.2
South Africa	1.0	1.4	1.1
Others	40.0	48.3	57.1
Total	676.1	744.4	713.5

AN 011876. 0706.

Source: FISHDAB - 20070605.

FISH OIL - Production

Yearly fish oil production and export, Peru, 1980-2006 in tonnes

Year	Production	Exports
1980	77834	-
1981	75905	-
1982	187055	72968
1983	16373	-
1984	143137	20601
1985	120689	30000
1986	251843	49023
1987	109086	-
1988	203273	-
1989	318304	185952
1990	191726	36618
1991	181886	33872
1992	161375	24210
1993	250135	123599
1994	487000	263000
1995	362000	294800
1996	423000	230300
1997	279000	243000
1998	125000	39000
1999	515000	258676
2000	587000	456448
2001	303000	315360
2002	193000	161558
2003	206200	185265
2004	349800	150300
2005	286500	156000
2006	274500	298763

AN 011832. 0706.

Source: PESCA/OIL WORLD - 20070618.

Yearly fish oil production, USA, 1979-2006, in tonnes

Year	MT
1979	121519
1980	141728
1981	83584
1982	157602
1983	181104
1984	169110
1985	129276
1986	152774
1987	135590
1988	101924
1989	101606
1990	127892
1991	121268
1992	82056
1993	133110
1994	132083
1995	109744
1996	112672
1997	127749
1998	96497
1999	129810
2000	87000
2001	126742
2002	95649
2003	88767
2004	81375
2005	90000
2006	64749

AN 011831. 0706.

Source: quarterly fishmeal and oil, NMFS- 20070331.

**Yearly production of oils and fats, crude or refined,
of aquatic animal origin, by major producers, in 1979-2005, in 1000 tonnes**

Country	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Peru	129.8	79.3	77.0	187.4	16.6	143.2	121.1	251.8	109.1	203.3	318.3	191.7
Chile	108.9	111.0	127.3	145.0	57.0	184.0	184.1	224.9	172.2	188.0	260.1	188.3
Denmark	83.9	124.3	115.7	100.8	91.4	84.9	86.8	90.6	89.4	92.1	78.5	84.2
Iceland	94.4	90.0	84.9	14.6	26.7	90.1	119.0	105.8	82.2	94.4	53.7	75.4
USA	121.5	141.8	83.6	157.6	181.1	169.1	129.3	152.8	135.4	101.9	102.3	136.6
Japan	253.4	263.1	279.1	313.1	349.9	417.2	403.6	482.9	458.6	485.8	448.8	418.1
Norway	199.8	187.0	172.8	178.2	217.2	189.8	152.2	99.0	78.4	91.7	77.3	51.8
Morocco	6.8	3.5	9.5	3.2	7.9	8.0	5.5	7.3	6.9	6.7	6.6	6.3
Spain	6.2	5.7	8.4	9.3	6.2	12.7	12.2	10.9	6.3	8.2	3.9	7.0
UK	10.0	14.0	12.1	10.4	7.5	9.0	8.9	6.5	6.9	7.7	7.1	9.1
Ecuador	10.6	12.6	15.3	17.5	2.8	23.0	34.2	22.9	8.8	16.0	11.5	8.0
Canada	12.0	13.8	15.9	7.8	7.4	6.3	8.0	10.4	10.7	22.1	11.0	9.1
Germany	9.7	9.7	11.2	10.5	10.2	10.3	9.9	8.3	8.1	7.0	7.4	8.2
Russian Fed.	73.6	42.7	49.5	66.6	73.4	92.7	85.0	94.8	111.3	112.5	118.8	127.1
South Africa	49.5	52.7	56.7	33.7	38.6	21.6	32.0	25.0	83.3	32.5	22.6	4.3
Others	42.9	67.1	46.9	44.5	47.1	58.5	103.5	79.9	86.6	88.9	107.2	86.6
Total	1213.0	1218.3	1165.9	1300.2	1141.0	1520.4	1495.3	1673.8	1454.2	1558.8	1635.1	1411.8
Country	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Peru	181.9	161.4	250.1	486.3	373.9	422.5	330.0	123.0	514.8	587.3	302.9	188.9
Chile	241.2	153.0	191.2	289.5	326.1	291.8	206.0	106.7	201.4	180.2	141.1	128.5
Denmark	130.1	137.1	104.5	143.6	184.1	141.9	131.1	136.1	129.3	140.3	123.6	102.6
Iceland	34.7	85.2	116.5	85.5	85.2	138.8	131.6	89.9	87.7	78.5	101.1	66.3
USA	124.0	83.8	137.9	132.4	109.7	112.7	128.5	101.2	129.8	87.2	126.7	95.6
Japan	315.5	146.0	106.7	70.5	47.3	13.3	10.9	75.5	68.5	59.8	63.0	64.2
Norway	90.7	118.1	130.1	118.1	86.2	92.3	88.0	101.8	72.2	85.1	69.1	64.5
Morocco	6.7	9.5	10.8	22.1	31.0	27.8	17.0	15.0	17.0	3.0	16.9	5.2
Spain	4.3	9.1	21.0	17.1	10.1	18.6	17.3	20.4	19.1	13.8	17.7	14.1
UK	7.7	10.2	10.8	11.3	11.5	12.0	8.8	9.6	11.6	10.4	10.1	10.6
Ecuador	5.3	4.5	2.9	8.2	8.3	10.3	3.4	4.7	5.1	5.6	6.2	6.6
Canada	12.1	11.1	10.5	10.0	10.0	5.7	4.6	4.5	2.9	4.5	4.3	4.7
Germany	10.1	9.9	9.7	8.6	7.4	6.1	5.0	6.1	6.0	5.4	6.2	5.5
Russian Fed.	120.4	43.5	18.8	9.8	8.6	5.9	2.3	0.2	2.8	3.1	2.6	1.9
South Africa	8.6	8.8	7.2	5.3	3.9	8.0	7.0	7.5	7.7	8.7	9.0	0.8
Others	82.9	77.6	87.3	85.6	78.3	73.8	77.9	71.6	116.9	34.1	87.0	85.0
Total	1376.2	1068.8	1216.0	1503.9	1381.6	1381.5	1169.4	873.8	1392.8	1307.0	1087.5	845.0

**Yearly production of oils and fats, crude or refined,
of aquatic animal origin, by major producers, in 1979-2005, in 1000 tonnes (cont)**

Country	2003	2004	2005
Peru	206.2	349.8	290.4
Chile	130.2	195.3	168.9
Denmark	117.8	100.0	82.3
Iceland	129.9	66.3	48.9
USA	88.8	81.4	71.5
Japan	67.0	68.2	62.7
Norway	53.8	39.5	32.4
Morocco	19.7	13.5	14.6
Spain	18.0	18.1	20.3
UK	11.1	11.6	12.1
Ecuador	7.7	14.5	9.1
Canada	6.4	10.4	6.1
Germany	5.9	6.5	5.8
Russian Fed.	1.4	1.3	1.3
South Africa	1.0	1.4	1.0
Mexico	11.6	12.0	12.3
China	16.7	13.0	11.7
Others	41.0	43.9	43.7
Total	934.2	1046.7	895.1

AN 011828. 0706.

Source: FISHDAB - 20070606.

**Yearly and cumulative monthly fish oil production by
major producing countries, Total 1984 - 2006, in 1 000 tonnes**

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
Peru	146	124	238	109	207	303	185	244	127	244	482	389
Denmark	82	77	88	79	103	85	77	115	115	96	102	106
Chile(1)	91	76	109	61	68	84	130	241	148	188	278	269
USA	169	128	152	136	102	101	126	126	82	134	131	110
Iceland	92	118	102	128	100	54	73	32	76	122	82	90
Norway	184	130	97	76	72	75	50	86	110	106	118	86
Japan(2)	323	249	213	157	333	187	217	116	41	84	54	17
South Africa	19	27	NA	83	33	23	11	12	16	17	8	4
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	
Peru	415	280	125	603	593	304	193	208	352	301	287	
Denmark	101	110	96	95	137	146	105	109	67	56	67	
Chile(1)	247	230	80	160	171	143	146	130	142	112	118	
USA	120	125	110	130	87	118	96	81	NA	NA	NA	
Iceland	97	100	100	100	95	108	80	92	49	55	42	
Norway	90	95	88	90	83	66	62	51	37	31	37	
Japan(2)	15	10	5	5	70	64	64	61	NA	NA	NA	
South Africa	8	4	NA	4	4	NA	NA	NA	NA	NA	NA	

(1) Semi-refined - Corpescua only until 1990; (2) Exports only.

AN 011827.0706.

Source: IFFO - 20070618.

**World production, exports and imports of oils and fats,
yearly crude or refined, of aquatic animal origin,
1981-2005, in 1 000 tonnes, and million US\$, and US\$/tonne**

	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
Production (1000 tonnes)	1163	1295	1135	1513	1481	1674	1454	1559	1635	1412	1376
Import (1000 tonnes)	731	795	723	943	1081	814	821	799	907	802	731
Export (1000 tonnes)	728	686	728	945	990	793	686	836	792	735	665
Import (million US\$)	342	318	273	372	367	262	245	323	261	258	295
Exports (million US\$)	290	235	251	329	298	202	181	292	194	206	236
Unit value imports (US\$/tonne)	468	400	377	395	339	321	298	404	288	322	404
Unit value exports (US\$/tonne)	399	343	345	348	301	255	264	350	245	280	355
	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Production (1000 tonnes)	1069	1216	1504	1382	1381	1169	874	1394	1307	1087	846
Import (1000 tonnes)	599	683	904	1129	871	812	486	743	867	820	590
Export (1000 tonnes)	540	665	951	947	865	770	442	753	888	796	590
Import (million US\$)	317	322	394	528	483	505	412	370	339	411	428
Exports (million US\$)	248	270	332	403	412	437	355	307	281	345	388
Unit value imports (US\$/tonne)	529	472	436	468	554	621	848	499	391	501	725
Unit value exports (US\$/tonne)	458	406	349	425	477	568	802	407	316	433	658
	2003	2004	2005								
Production (1000 tonnes)	934	1047	895								
Import (1000 tonnes)	697	760	781								
Export (1000 tonnes)	676	744	713								
Import (million US\$)	539	661	748								
Exports (million US\$)	464	581	619								
Unit value imports (US\$/tonne)	773	870	957								
Unit value exports (US\$/tonne)	687	780	868								

AN 011826. 0706.

Source: FISHDAB - 20070618.

FISH MEAL - Price

**International market prices for soybean meal (monthly averages),
44%, any origin, CIF Rotterdam/Hamburg, Jan 1981-June 2007, in US\$/tonne**

	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
J	287	242	216	237	166	186	182	239	288	223	208	221
F	270	235	211	221	151	185	183	233	270	216	211	216
M	265	226	211	229	154	194	175	247	277	211	202	213
A	273	230	219	220	151	187	185	258	264	217	204	210
M	267	234	217	219	144	184	201	255	264	215	217	212
J	248	222	210	202	141	180	235	317	254	206	211	218
J	247	212	226	186	144	184	204	293	255	208	197	220
A	243	203	279	180	150	187	194	280	225	206	197	224
S	235	195	277	168	160	189	207	297	216	212	218	229
O	231	192	267	170	170	187	214	290	222	227	215	216
N	230	213	265	169	177	185	235	286	227	207	211	208
D	236	217	256	165	178	183	241	287	229	213	210	222
Average	253	218	238	197	157	186	205	274	249	213	208	217
	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
J	224	225	191	275	283	249	163	185	218	182	197	293
F	216	220	195	264	298	230	153	194	200	181	204	292
M	208	221	206	260	325	212	161	199	195	179	198	321
A	209	219	203	273	304	188	166	198	189	179	204	313
M	207	210	188	276	308	187	151	204	182	188	212	299
J	209	214	180	269	284	182	150	196	202	190	-	254
J	239	209	193	271	261	176	160	183	205	200	203	227
A	237	208	198	278	276	168	164	186	202	196	209	217
S	228	206	219	292	301	167	179	207	203	206	223	214
O	219	196	228	274	267	166	184	204	197	198	265	210
N	226	187	237	285	294	174	178	210	195	199	284	210
D	225	187	264	279	276	174	175	230	180	193	277	213
Average	221	209	209	275	290	189	165	200	197	191	225	255
	2005	2006	2007									
J	222	219	257									
F	235	218	272									
M	250	218	278									
A	245	218	263									
M	235	220	268									
J	238	209	279									
J	247	207										
A	235	216										
S	225	222										
O	217	230										
N	215	246										
D	228	245										
Average	233	222										

AN 011706. 0706.

Source: OIL WORLD/GLOBEFISH - 20070621.

**International market price for fishmeal (monthly average),
64/65%, any origin, wholesale, CIF Hamburg, Jan 1981- June 2007, in US\$/tonne**

Month	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
J	541	390	439	480	307	292	317	473	481	430	480	500	418
F	518	369	423	466	292	292	322	473	464	426	485	494	391
M	507	357	403	428	280	321	332	487	437	385	455	488	377
A	501	357	440	402	271	333	341	520	400	381	459	489	361
M	504	362	437	382	276	317	362	541	413	374	467	495	347
J	485	348	430	372	256	317	395	606	371	354	482	497	348
J	470	335	433	341	254	319	403	610	380	383	471	485	356
A	439	320	452	333	259	326	413	577	360	405	444	493	358
S	434	319	503	318	265	339	400	582	360	417	478	481	353
O	405	326	510	319	287	353	406	571	393	435	498	469	339
N	407	353	479	323	308	328	430	543	418	477	508	455	360
D	399	399	482	314	306	310	474	534	438	485	500	438	367
Average	468	353	453	373	280	321	383	543	410	413	477	482	365

Month	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
J	366	435	649	576	703	500	416	480	585	607	682	628	883
F	364	437	641	558	699	454	407	470	590	590	685	641	875
M	352	447	616	554	682	406	392	443	593	577	665	653	885
A	351	447	583	545	684	348	385	436	609	577	645	655	900
M	360	435	564	548	685	337	385	369	625	599	643	663	1075
J	365	467	563	558	675	345	420	413	631	-	645	672	1340
J	376	502	547	581	660	355	423	461	619	617	638	694	1379
A	379	493	539	621	670	371	417	515	617	597	626	715	1357
S	392	505	566	637	681	382	419	507	615	608	625	727	1267
O	398	522	581	658	662	399	414	509	606	624	629	793	1229
N	394	618	600	716	601	401	413	543	593	648	643	841	1247
D	418	647	583	721	541	412	463	573	585	656	654	851	1256
Average	376	496	586	606	662	393	413	477	606	609	648	711	1141

Month	2007
J	1234
F	1252
M	1268
A	1289
M	1264
J	1224
J	
A	
S	
O	
N	
D	
Average	

AN 011702.0706.

Source: OIL WORLD/GLOBEFISH - 20070621.

FISH MEAL - Imports

Fishmeal imports into the Netherlands, in 1 000 tonnes, 1988-2006

Country	1988	1989	1990	1991	1992	1993	1994	1995	1996
Germany	14.1	24.4	14.7	8.5	9.3	67.2	103	72.6	59.6
Denmark	17.6	14.0	11.7	14.1	13.6	7	9.1	8.3	11.3
France	0.2	0.6	0.0	0.2	0.2	0.2	0.2	0.6	1.8
Belgium	0.5	0.8	1.3	1.1	0.4	0.9	0.9	1.2	0.4
Peru	5.7	14.1	27.5	31.5	16.5	39.6	154.8	65.7	20.0
Ireland	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Faroe Is.	0.0	0.0	0.0	0.0	0.0	5.2	5.0	4.9	6.2
Chile	64.3	86.0	93.1	47.0	70.4	48.8	113.0	53.0	13.0
Others	6.4	5.2	5.4	1.4	5.8	0.0	1.0	0.4	1.5
Total	108.8	145.5	153.7	103.8	116.2	168.9	387.0	206.7	113.8

Country	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Germany	71.2	42.8	39.7	49.8	45.4	64.8	50.6	52.2	47.5	22.5
Denmark	3.8	4.0	2.5	7.5	5.0	8.9	9.0	7.9	6.9	8.5
France	0.1	0.8	0.7	0.8	0.8	3.3	5.0	5.8	4.5	3.3
Belgium	0.3	3.1	1.3	1.5	0.5	1.6	1.0	0.9	0.6	0.3
Peru	8.5	0.9	1.3	4.8	48.6	0.0	0.0	0.0	0.1	0.3
Ireland	0.0	0.0	0.0	6.1	0.0	0.0	0.0	0.0	0.0	0.0
Faroe Is.	4.0	3.4	2.9	3.5	0.0	0.0	0.0	0.0	0.0	0.0
Chile	0.2	1.3	0.2	0.5	0.0	0.0	0.0	0.0	0.0	0.0
Others	0.3	1.9	0.9	2.1	0.7	0.6	0.3	0.5	0.2	3.5
Total	88.4	58.2	49.5	76.6	101.0	79.2	65.9	67.3	59.8	38.4

AN 011638. 0706.

Source: EUROSTAT - 20070304.

Fishmeal imports into Italy, in 1 000 tonnes, 1988-2006

Country	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
Chile	42.0	0.0	60.8	35.1	41.5	45.6	40.0	25.6	26.1	11.6
Denmark	24.6	22.7	24.6	26.7	32.1	20.1	20.2	23.2	22.7	28.4
Peru	15.4	18.3	25.2	44.7	23.4	32.0	46.1	29.4	33.4	8.0
Spain	3.3	0.0	0.0	0.0	0.4	0.5	0.6	0.2	0.0	1.3
France	0.0	0.2	0.0	0.2	0.6	0.4	0.3	0.3	0.0	0.5
Germany	0.1	0.0	1.9	0.1	0.0	0.0	0.0	0.0	0.1	0.0
Norway	0.0	0.0	0.0	0.4	2.9	5.7	0.4	1.7	2.0	6.7
Morocco	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.1	4.1
Netherlands	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.7	0.6
Ireland	0.0	56.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USA	1.2	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0	1.3
Others	3.9	0.6	4.3	7.5	6.8	2.1	5.7	2.8	0.9	3.5
Total	92.1	98.2	116.8	114.7	107.7	106.4	113.3	86.3	87.0	66.0

Fishmeal imports into Italy, in 1 000 tonnes, 1988-2006 (cont)

Country	1998	1999	2000	2001	2002	2003	2004	2005	2006
Chile	6.6	14.8	39.2	37.7	29.8	35.0	33.3	32.4	26.2
Denmark	27.6	24.7	20.5	20.1	16.7	13.0	12.8	15.4	12
Peru	22.6	25.9	20.0	37.6	11.9	14.6	10.3	12.5	9.2
Spain	1.4	3.7	4.3	0.3	2.0	1.3	2.7	1.4	2.3
France	0.9	1.3	0.3	0.5	0.2	0.6	0.6	0.9	0.7
Germany	2.9	1.3	2.5	0.0	3.4	1.4	1.5	0.4	3.6
Norway	4.2	3.8	0.0	1.2	2.6	0.0	2.6	0.0	0.0
Morocco	0.2	0.8	0.0	0.8	0.0	0.0	0.0	0.0	0.0
Netherlands	1.4	0.2	0.1	0.1	0.1	0.0	0.0	0.2	0.1
Ireland	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Others	0.3	0.3	0.1	0.4	0.5	0.0	0.3	0.0	0.0
Total	68.1	76.8	87.0	98.7	67.2	65.9	64.1	63.1	54.1

AN 011637. 0706.

Source: EUROSTAT/NATIONAL STATISTICS - 20070607.

**Yearly and monthly cumulative Japanese fishmeal imports,
in 1 000 tonnes, total 1985-2006**

Country	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
Peru	4.7	3.2	5.8	2.3	2.1	-	12.0	10.0	49.6	86.6	104.0	55.8
Chile	14.5	40.6	70.6	96.8	73.5	177.0	221.1	262.0	175.3	205.2	377.2	238.5
Ecuador	22.5	67.3	40.3	48.2	41.9	8.0	0.0	4.0	NA	2.7	8.0	37.0
USA	29.9	36.4	46.3	41.9	23.8	18.0	36.0	24.0	22.0	21.3	19.4	11.8
Namibia	*	*	*	*	*	*	*	*	*	*	*	*
South Africa	*	*	*	*	*	*	*	*	*	*	*	*
Ex USSR	6.1	5.7	7.6	7.7	4.8	3.0	5.0	17.0	16.1	31.0	39.6	27.5
Others	0.9	4.6	13.2	30.1	20.4	26.0	13.9	20.0	42.1	36.7	40.2	37.3
Total	78.6	157.8	183.8	227.0	166.5	232.0	288.0	337.0	305.1	383.5	588.4	407.9

Country	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Peru	121.5	40.0	91.6	33.0	246.9	206.1	161.5	191.9	167.4	179.5
Chile	210.3	182.4	174.7	116.0	127.7	117.6	102.6	101.3	100.4	82.5
Ecuador	25.7	4.0	7.1	154.4	21.8	14.9	32.4	25.0	27.4	37
USA	13.8	17.1	17.1	15.2	13.7	12.9	9.4	13.2	11.6	13.1
Namibia	*	*	*	*	4.8	15.2	8.1	6.2	6.5	7.8
South Africa	*	*	*	*	*	8.4	10.9	3.1	4.9	8.1
Ex USSR	20.1	17.5	9.0	8.7	3.9	0.6	2.1	0.7	1.0	0.9
Others	40.6	62.8	41.2	6.2	54.4	99.6	56.4	56.9	53.4	79.3
Total	432.0	323.8	340.7	333.5	473.2	475.3	383.4	398.3	372.6	408.2

* included under "others".

AN 011636. 0706.

Source: NATIONAL STATISTICS - 20070618.

Yearly fishmeal imports into Germany, in 1000 tonnes, 1988-2006

Country	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
Peru	80.1	227.9	275.0	160.0	150.0	184.0	218.7	175.6	136.8	194.5
Iceland	4.9	0.1	3.4	5.2	7.9	4.3	2.2	2.3	10.8	9.2
Denmark	3.2	1.5	1.3	1.7	1.7	1.8	1.4	1.5	1.5	3.9
UK	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	0.0
Morocco	0.0	0.0	0.0	1.0	2.4	1.5	0.0	4.1	5.1	2.4
Faroe Is.	1.8	0.0	0.0	1.2	1.2	0.0	0.0	0.0	0.0	0.7
France	0.3	0.1	0.1	0.1	0.1	0.0	0.0	0.5	0.2	0.3
Norway	3.7	1.1	0.1	7.7	16.5	3.5	1.2	0.4	1.4	5.5
Chile	187.5	173.3	90.1	50.5	68.9	28.4	71.7	83.1	83.3	70.4
Netherlands	2.7	0.8	0.3	0.2	0.5	0.5	0.8	0.6	1.3	0.7
Panama	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spain	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ecuador	27.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.7	5.3
USA	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	3.2	0.0
Others	21.3	50.5	1.9	1.6	3.9	3.4	1.3	0.0	2.1	0.2
Total	332.6	455.3	372.3	229.3	254.9	227.4	297.3	268.1	260.4	293.1

Country	1998	1999	2000	2001	2002	2003	2004	2005	2006
Peru	122.5	149.0	257.7	145.8	147.3	174.7	151.6	200.4	202.1
Iceland	21.5	1.9	0.9	1.2	31.4	8.3	14.0	6.6	1.2
Denmark	4.0	2.3	8.3	2.2	2.6	1.9	3.7	4.2	8.8
UK	0.0	0.0	0.2	1.4	0.3	0.0	0.1	0.1	0.2
Morocco	2.8	3.3	2.1	2.1	1.0	0.0	0.8	1.0	1.2
Faroe Is.	3.3	1.0	0.6	2.0	4.3	1.9	0.0	0.0	0.0
France	0.2	0.3	0.6	1.0	2.2	4.9	3.0	1.5	2.6
Norway	28.1	22.3	0.7	5.0	15.9	2.8	3.1	1.2	1
Others	69.5	52.1	33.5	17.9	5.3	3.1	6.5	16.5	18.3
Total	251.9	232.2	304.6	178.6	210.3	197.6	182.8	231.5	235.4

AN 011634. 0706.

Source: NATIONAL STATISTICS/EUROSTAT - 20070620.

**Yearly imports of fishmeal into the USA,
in 1 000 tonnes, total 1982-2006**

Country	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Peru	4.8	6.5	-	-	12.4	27.8	46.7	28.8	64.3	24.6	16.0	288.6
Iceland	*	*	*	*	*	*	*	*	*	*	2.7	*
Mexico	-	-	-	-	-	0.1	0.4	0.3	0.4	-	-	0.0
Canada	22.4	20.9	21.4	23.0	16.3	29.2	32.0	15.5	13.2	21.9	25.4	18.6
Chile	42.8	23.4	43.2	130.9	105.6	94.5	28.0	27.5	14.5	18.5	20.8	25.4
Ecuador	1.2	-	3.5	46.8	22.6	5.4	3.3	-	-	-	-	-
Panama	4.5	9.6	3.5	29.1	9.3	20.2	10.1	4.9	9.8	6.5	2.5	12.1
Others	0.8	1.2	3.6	0.4	1.9	1.4	12.2	8.6	6.4	0.6	1.1	0.3
Total	76.5	61.6	75.2	230.2	168.1	178.6	132.7	85.6	108.6	72.1	68.5	345.0

**Yearly imports of fishmeal into the USA,
in 1 000 tonnes, total 1982-2006 (cont)**

Country	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Peru	192.2	10.8	7.7	21.7	4.7	10.7	6.7	10.9	4.2	3.9	28.4	14.3
Iceland	5.4				15.8	11.2	14.3	14.0	27.8	17.6	15.3	13.9
Mexico	-	8.5	17.3	15.0	7.8	1.1	1.8	11.0	17.1	18.2	7.7	11.1
Canada	10.4	10.5	6.1	7.6	7.3	3.1	6.3	8.1	9.4	6.9	10.8	8.7
Chile	27.5	11.3	13.9	2.8	6.3	0.4	1.9	1.5	2.1	1.6	2.3	6.5
Ecuador	-	-	-	-	-	0.1	1.1	2.5	0.2	1.4	1.6	1.4
Panama	12.3	16.3	5.1	9.1	13.2	0.0	0.0	0.0	4.1	3.9	0.2	0.8
Others	0.9	5.7	11.4	8.2	1.8	6.5	3.7	3.4	2.2	1.4	4.6	3.8
Total	248.7	63.1	61.5	64.4	56.9	33.1	35.8	51.4	67.1	54.9	70.9	60.5

Country **2006**

Peru	11.2
Iceland	0.6
Mexico	27.6
Canada	7.4
Chile	5.9
Ecuador	1.4
Panama	1.6
Others	3.0
Total	58.7

* included under "others".

AN 011633. 0706.

Source: NOAA/NMFS(Y) - 20070618.

**Yearly cumulative imports of fishmeal into the UK,
in 1 000 tonnes, 1988-2006**

Country	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
Iceland	37.4	46.9	66.9	43.5	72.5	70.8	63.8	51.7	100.7	81.8
Peru	4.4	2.4	4.0	13.8	12.2	39.8	83.0	90.2	38.1	88.4
Denmark	29.4	20.6	11.8	14.8	8.3	12.5	19.4	25.6	6.5	5.6
Germany	49.6	51.7	28.2	14.3	16.8	33.4	14.6	11.7	6.7	2.8
Chile	110.5	122.6	149.1	120.2	63.4	19.3	23.5	26.5	16.4	39.5
Ireland	35.8	21.5	24.3	27.9	35.9	23.2	25.5	25.4	24.1	16.3
Faroe Is	9.3	5.9	1.7	4.3	4.1	4.7	4.4	4.0	4.0	2.8
Netherlands	7.1	5.8	4.2	2.9	3.0	14.9	2.5	5.7	1.5	4.6
Norway	3.0	2.6	1.9	32.6	46.6	43.6	28.1	28.0	34.6	32.0
Morocco	0.1	0.0	0.0	1.9	0.0	0.0	0.0	3.0	2.9	1.0
Others	19.9	13.0	11.7	7.4	8.1	11.8	9.7	5.3	22.4	33.6
Total	306.5	293.0	303.8	283.6	270.9	274.0	274.5	277.1	257.9	308.4

**Yearly cumulative imports of fishmeal into the UK,
in 1 000 tonnes, 1988-2006 (cont)**

Country	1998	1999	2000	2001	2002	2003	2004	2005	2006
Iceland	76.8	64.3	57.5	54.5	64.2	49.1	42.5	33.3	13.6
Peru	47.4	52.8	70.1	54.7	28.9	47.0	19.4	23.2	37.6
Denmark	4.2	8.5	6.1	9.6	17.8	14.3	24.7	16.1	25.3
Germany	4.2	9.6	33.8	26.0	9.6	8.6	8.2	15.7	30.8
Chile	15.0	6.7	13.6	18.9	11.6	21.4	6.5	12.6	10.9
Ireland	17.9	12.2	14.2	19.9	5.9	6.0	15.1	11.6	6.0
Faroe Is	0.9	0.6	8.7	11.7	14.2	9.7	11.5	10.9	2.3
Netherlands	6.7	4.7	0.0	1.7	0.0	1.6	0.8	3.9	na
Norway	54.6	47.5	32.1	28.0	35.6	16.5	9.5	3.7	7.9
Morocco	5.8	1.0	4.5	4.8	0.0	7.0	1.7	2.8	na
Others	29.2	29.2	2.1	3.2	4.5	2.2	2.6	3.1	5.0
Total	262.7	237.1	242.7	233.0	192.3	183.4	142.5	136.9	139.4

NB: * included under Others.

AN 011632. 0705.

Source: National statistics - 20070504.

**Yearly major importers of meals, solubles and similar
animal feeding stuffs, of aquatic animal origin,
1978-2005, in US\$ million**

Country	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
China	-	-	-	-	-	40.6	54.1	65.5	85.3	240.8	241.0	103.5
Japan	45.7	77.2	48.8	20.2	48.3	33.6	34.6	75.6	106.0	142.1	101.2	118.2
Taiwan PC	76.7	87.1	92.3	109.0	109.5	132.6	117.7	145.2	205.7	262.0	269.4	257.5
UK	118.0	116.8	90.4	89.2	73.2	70.5	79.0	84.9	102.0	152.6	135.5	136.3
Denmark	3.4	3.8	4.4	3.2	4.1	7.8	6.3	8.7	4.9	5.5	7.7	14.4
Germany	105.4	137.5	97.9	124.9	143.4	119.1	111.8	145.7	139.0	166.3	195.9	141.8
Norway	0.0	0.1	0.0	0.0	0.1	0.1	1.3	2.4	0.0	11.7	29.5	18.4
Greece	0.4	0.5	10.4	10.0	8.4	9.6	10.1	12.6	12.6	13.7	15.3	14.9
Spain	1.9	0.8	1.6	1.0	3.3	5.2	4.8	3.3	6.8	16.8	8.6	9.7
Russian Federation	-	-	-	-	-	-	-	-	-	-	-	-
Netherlands	22.7	25.4	20.0	27.9	20.1	20.5	28.2	41.2	45.7	57.6	67.1	69.0
Italy	46.2	37.5	31.6	33.9	34.6	28.4	39.1	38.2	41.3	49.8	50.7	57.7
Iran	24.0	40.3	73.0	34.0	25.3	32.1	20.5	20.1	30.5	20.7	23.2	14.1
Canada	0.1	0.1	0.4	0.4	1.2	1.3	0.1	1.0	1.5	6.9	11.2	13.0
France	27.5	31.8	27.2	25.4	25.0	23.9	23.4	26.2	29.8	41.9	37.1	40.1
USA	29.6	15.5	20.5	25.7	21.8	26.5	62.0	47.2	53.4	53.0	37.4	42.8
Indonesia	6.1	11.0	33.8	39.2	29.1	24.7	19.5	17.3	21.1	11.7	22.7	32.9
Korea, Rep of	7.9	0.0	1.4	0.8	4.5	2.4	1.5	2.4	7.6	15.7	18.1	17.2
Philippines	8.3	10.0	6.9	14.2	4.3	1.7	4.9	10.2	15.3	27.3	28.7	29.7
Hungary	22.9	20.8	22.8	27.5	32.3	32.0	26.7	27.2	29.7	51.5	42.7	33.1
Australia	1.8	6.1	4.0	3.5	3.9	3.3	4.5	2.9	3.6	5.7	14.1	15.9
Thailand	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.1	0.1	4.1	13.7	20.5
Ireland	6.7	6.7	5.8	5.0	3.0	2.6	4.6	4.8	6.1	6.3	7.6	11.7
Colombia	14.0	18.7	23.9	25.6	17.9	32.0	13.3	12.8	8.0	18.7	9.7	16.5
Egypt	1.4	5.4	19.0	15.3	23.5	25.5	12.0	15.0	16.5	10.1	3.3	2.5
Belgium	15.5	18.2	19.3	20.4	16.1	21.0	15.3	17.9	16.6	18.7	24.7	24.5
Venezuela	-	-	0.0	-	-	-	-	-	-	0.4	1.0	0.8
Others	412.3	450.8	404.0	372.9	383.3	388.8	319.8	341.5	318.4	442.0	442.0	377.0
Total	998.4	1122.3	1059.4	1029.2	1036.3	1085.8	1015.1	1169.8	1307.2	1853.6	1859.2	1633.6

**Yearly major importers of meals, solubles and similar
animal feeding stuffs, of aquatic animal origin,
1978-2005, in US\$ million (cont)**

Country	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
China	314.3	349.8	206.2	275.2	328.1	569.3	629.7	316.2	364.6	574.3	482.7	634.8
Japan	170.7	210.2	165.1	202.5	359.2	288.4	301.2	254.9	208.2	184.0	261.7	308.8
Taiwan PC	269.2	252.3	259.1	229.7	235.6	252.2	217.8	122.5	163.6	148.4	177.8	153.2
UK	131.4	129.1	122.4	124.0	135.4	154.3	185.4	180.9	120.8	118.0	123.8	131.0
Denmark	6.9	28.1	34.2	28.7	46.9	69.9	58.4	70.5	75.5	64.0	69.1	93.6
Germany	98.8	124.1	84.7	106.8	117.2	147.0	163.5	173.1	88.8	116.9	80.8	124.6
Norway	27.1	36.7	24.4	35.5	79.2	76.7	92.9	79.2	85.5	98.6	83.1	92.4
Greece	14.6	16.6	16.0	19.4	20.7	24.2	26.9	33.8	26.9	28.3	45.4	65.5
Spain	15.5	17.0	24.3	35.6	33.5	40.6	62.0	48.7	45.6	56.9	56.0	62.3
Russian Federation	-	4.0	0.4	15.9	31.6	13.6	3.0	0.0	18.5	16.5	51.3	49.5
Netherlands	51.6	62.3	69.3	150.0	95.8	69.0	52.1	44.4	23.3	22.2	46.5	51.5
Italy	61.0	63.3	49.5	50.5	49.2	56.5	59.6	52.3	38.5	40.6	45.3	44.4
Iran	28.2	40.6	33.7	21.9	31.8	53.0	20.8	51.1	77.1	29.5	23.9	22.5
Canada	10.5	19.0	19.4	25.8	28.2	36.2	48.1	38.4	31.8	44.1	47.3	45.7
France	44.8	52.0	47.0	51.0	45.3	48.9	52.4	62.1	45.4	41.4	30.1	34.9
USA	36.0	38.3	118.0	89.8	29.1	36.1	38.3	35.3	18.1	19.9	28.8	38.6
Indonesia	40.1	39.0	81.9	102.7	77.9	92.3	81.0	27.6	34.9	53.7	55.7	41.6
Korea, Rep of	24.4	18.3	18.1	22.1	26.5	32.9	29.6	18.9	17.8	26.5	32.5	26.9
Philippines	24.5	41.2	39.1	47.8	61.1	56.2	64.3	26.8	33.2	34.8	31.5	32.8
Hungary	14.6	18.1	15.1	18.9	26.3	25.1	23.5	29.0	17.8	17.0	22.3	24.9
Australia	7.5	13.1	8.2	22.0	22.0	13.0	13.7	12.5	10.6	20.5	16.8	20.9
Thailand	38.2	49.1	92.1	121.9	121.8	126.6	52.5	20.7	60.7	59.4	62.5	22.7
Ireland	12.6	9.7	10.6	13.7	16.0	17.7	17.8	13.4	13.3	16.8	14.5	13.5
Colombia	22.5	21.3	26.3	28.2	22.6	24.9	27.5	15.0	10.5	16.9	14.5	9.8
Egypt	3.4	2.7	3.7	8.1	4.5	6.4	4.9	12.3	26.0	35.7	28.9	13.5
Belgium	23.8	26.3	23.0	33.7	26.8	29.1	37.5	33.3	24.3	26.3	14.9	11.1
Venezuela	0.0	0.4	8.1	8.1	6.8	6.9	8.9	5.5	6.5	16.5	10.7	4.2
Others	296.5	286.3	255.8	324.2	328.2	339.3	372.9	314.8	236.8	229.0	276.5	294.6
Total	1788.8	1968.8	1855.8	2213.4	2407.3	2706.5	2746.2	2093.3	1924.4	2156.5	2234.9	2469.8

**Yearly major importers of meals, solubles and similar
animal feeding stuffs, of aquatic animal origin,
1978-2005, in US\$ million (cont)**

Country	2003	2004	2005
China	518.4	763.5	1083.9
Japan	247.5	284.1	261.7
Taiwan PC	147.6	163.0	162.7
UK	130.5	109.7	105.8
Denmark	127.0	98.8	109.4
Germany	119.3	112.1	151.7
Norway	109.4	125.0	159.8
Greece	66.1	50.5	71.1
Spain	65.7	76.7	61.1
Russian Federation	60.0	44.0	55.5
Netherlands	48.0	50.3	41.9
Italy	47.0	48.5	45.9
Iran	41.9	17.2	5.4
Canada	39.4	38.8	36.5
France	34.4	33.5	35.6
USA	34.1	46.3	40.4
Indonesia	33.6	45.1	55.0
Korea, Rep of	27.0	35.2	37.4
Philippines	21.9	23.3	23.1
Hungary	19.0	14.0	13.4
Australia	12.8	16.7	19.0
Thailand	12.1	13.8	16.3
Ireland	10.2	6.1	15.4
Colombia	7.9	14.4	16.0
Egypt	7.4	9.1	12.2
Belgium	4.8	6.5	7.9
Turkey	12.9	34.1	28.2
Viet Nam	34.9	40.7	62.5
India	34.8	31.3	30.9
Venezuela	3.6	6.4	4.9
Others	252.7	294.2	287.9
Total	2331.9	2652.9	3058.5

AN 011628. 0706.

Source: FISHDAB - 20070618.

Yearly imports of meals, solubles and similar animal feeding stuffs, of aquatic animal origin, 1979-2005, in 1 000 tonnes

Country	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
China	-	-	-	-	-	108.2	191.3	201.4	220.7	456.8	472.3	223.9
Japan	101.6	141.0	84.1	44.3	95.1	61.6	80.3	161.5	187.3	231.5	171.4	232.0
Taiwan PC	144.6	135.5	146.9	226.3	204.6	261.9	308.3	338.5	439.4	406.4	435.5	467.6
Germany	282.8	311.5	214.7	356.3	351.0	311.9	418.3	478.3	401.7	337.8	460.2	374.1
UK	255.7	214.9	173.5	213.5	162.6	173.7	236.8	236.9	250.0	270.2	266.5	275.4
Denmark	9.8	11.6	10.8	10.1	11.3	21.8	22.1	26.0	15.0	11.3	14.4	29.8
Norway	0.0	0.1	0.0	0.0	0.1	0.2	2.6	5.1	0.0	14.0	38.0	21.6
Russian Fed.	-	-	-	-	-	-	-	-	-	-	-	-
Spain	11.3	1.5	3.2	2.4	8.1	12.0	14.2	9.1	17.5	31.8	18.8	19.8
Greece	0.8	0.8	17.2	18.9	16.5	18.1	23.7	24.7	23.6	22.1	23.5	22.2
Canada	0.3	0.3	1.8	2.7	6.1	5.6	0.7	3.0	4.3	13.1	17.6	27.8
Netherlands	54.5	47.5	38.1	72.8	44.9	49.9	95.8	115.9	118.3	108.9	145.5	153.7
Philippines	23.4	24.6	16.5	41.1	14.1	4.8	23.3	36.2	37.5	47.8	56.5	59.1
Indonesia	18.1	23.4	53.9	72.9	52.1	45.3	49.1	46.0	53.2	24.1	40.4	56.0
Italy	105.2	81.8	61.5	76.4	78.4	60.0	108.0	101.8	102.5	92.1	98.3	117.0
France	61.0	60.8	51.1	60.5	56.8	55.0	68.8	67.2	72.9	74.6	73.8	81.0
Thailand	0.0	0.5	0.1	0.0	0.0	0.0	0.0	0.1	0.1	3.0	15.7	26.2
Korea, Republic of	17.5	0.1	2.3	1.6	10.0	4.3	4.4	7.1	18.0	24.1	28.8	35.4
Australia	4.3	14.0	8.0	7.8	10.8	8.4	12.7	10.0	12.3	15.4	27.9	39.7
Iran (Islamic Rep. of)	54.6	66.5	118.3	76.5	36.2	74.2	62.8	63.0	83.1	41.7	43.9	34.2
Egypt	3.0	9.6	23.9	25.8	47.5	45.5	25.0	38.0	29.4	18.5	8.0	6.0
Colombia	33.0	38.1	43.7	54.3	39.2	62.1	38.3	37.5	20.3	38.3	18.7	43.0
Belgium	35.2	34.3	35.3	48.6	34.2	49.2	42.5	43.1	37.9	35.3	49.3	46.8
Others	1105.6	986.0	908.5	1029.8	973.2	1069.7	1250.7	1155.8	1021.2	1003.7	1041.6	944.4
Total	2322.3	2204.4	2013.3	2442.5	2252.5	2503.2	3079.7	3206.4	3166.3	3322.5	3566.6	3336.7

Country	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
China	634.3	639.5	434.2	668.8	693.3	884.5	988.5	420.0	634.3	1189.3	904.1	960.5
Japan	288.4	337.1	305.1	383.5	594.3	412.5	437.5	329.8	346.5	338.3	462.4	480.0
Taiwan PC	432.4	400.7	489.5	461.2	425.3	377.9	324.7	175.3	298.1	300.0	295.5	244.1
Germany	232.4	259.1	229.0	297.9	268.4	260.6	293.0	252.0	233.0	303.9	179.2	210.5
UK	260.4	244.0	254.4	252.0	238.1	243.0	284.8	238.4	221.0	241.0	235.2	192.6
Denmark	11.6	44.8	70.5	56.4	80.8	107.2	87.3	95.7	141.8	131.6	125.9	135.4
Norway	40.5	51.9	43.2	60.8	121.3	105.5	128.4	99.8	144.7	185.0	143.2	128.3
Russian Fed.	-	6.3	0.4	37.5	60.5	23.0	50.6	0.2	117.2	77.9	129.0	101.0
Spain	28.7	29.7	53.0	79.0	61.6	63.0	93.8	61.8	90.6	123.4	109.7	89.6
Greece	23.2	23.0	25.9	33.2	30.7	32.7	36.2	40.3	40.2	53.0	77.1	84.6
Canada	20.3	34.8	40.0	56.0	61.2	64.7	76.8	62.3	66.1	98.0	102.2	80.2
Netherlands	104.6	116.2	171.7	387.0	204.1	113.8	87.3	58.3	50.1	55.9	98.4	73.4
Philippines	41.5	71.7	87.6	112.9	127.5	90.8	120.1	43.2	73.1	81.7	85.0	71.6
Indonesia	58.0	62.4	155.1	247.9	136.8	133.6	120.6	39.6	77.1	117.7	112.9	68.4
Italy	115.3	107.9	106.7	113.1	97.5	86.9	88.2	66.8	68.4	76.5	87.2	67.0
France	86.1	88.3	102.7	113.9	84.4	80.4	84.4	84.9	94.9	95.3	61.6	55.7
Thailand	53.1	66.9	142.1	206.4	194.9	186.0	80.8	34.7	114.1	126.6	121.4	41.3
Korea, Republic of	40.7	27.8	30.9	38.9	44.2	46.1	42.5	24.8	29.4	47.2	55.2	39.0
Australia	19.3	30.3	21.7	68.8	47.4	25.3	27.3	21.4	18.7	43.9	34.5	35.6
Iran (Islamic Rep. of)	58.9	84.4	92.3	41.2	80.7	133.2	31.5	62.5	60.6	67.1	42.1	31.8
Egypt	7.0	5.5	6.4	14.6	7.1	9.7	6.3	16.1	37.2	51.9	53.4	22.2
Colombia	49.9	42.1	65.2	72.2	47.7	43.9	46.1	22.9	25.3	47.7	33.4	18.2
Belgium	48.1	46.1	48.8	72.0	51.5	47.4	58.4	44.0	50.4	57.3	29.3	16.3
Others	688.7	623.2	961.0	1068.7	821.5	655.6	785.5	579.1	539.8	590.7	626.8	576.6
Total	3343.4	3443.8	3937.4	4943.7	4580.8	4227.2	4380.5	2873.9	3572.8	4500.9	4204.7	3823.9

**Yearly imports of meals, solubles and similar animal feeding
stuffs, of aquatic animal origin, 1979-2005, in 1 000 tonnes (cont)**

Country	2003	2004	2005
China	802.8	1127.9	1582.7
Japan	384.6	402.2	376.4
Taiwan PC	241.0	240.1	235.9
Germany	198.7	183.7	232.7
UK	184.1	143.3	140.5
Denmark	197.9	134.7	136.3
Norway	149.8	161.7	202.3
Russian Fed.	112.9	83.9	102.1
Spain	95.6	106.6	83.8
Greece	98.8	61.9	88.7
Canada	67.9	61.0	55.3
Netherlands	64.4	66.3	58.4
Philippines	44.7	45.3	44.2
Indonesia	54.8	70.1	82.8
Italy	66.2	64.7	63.4
France	50.4	42.2	47.3
Thailand	19.6	20.5	21.4
Korea, Republic of	39.2	44.7	48.1
Australia	22.5	29.0	28.3
Iran (Islamic Rep. of)	60.0	20.6	6.4
Egypt	14.8	15.2	17.2
Colombia	15.1	24.5	26.6
Turkey	19.9	50.3	39.3
USA	54.9	70.9	60.5
Viet Nam	56.7	63.4	93.8
Belgium	5.5	6.5	7.9
Others	432.6	477.6	453.4
Total	3555.4	3818.8	4335.7

AN 011627. 0706.

Source: FISHDAB - 20070618.

Chinese fishmeal imports by country of origin, 2002-2004, in 1000 tonnes

Country	2002	2003	2004
Peru	640.0	458.0	787.0
Chile	158.0	153.0	135.0
USA	67.0	48.0	79.0
Russian Fed	44.0	32.0	29.0
Others	62.0	102.0	113.0
Total	971.0	793.0	1143.0

AN 011931. 0602.

Source: FISHDAB - 20060224.

FISH MEAL - Exports

Peruvian fishmeal export 1 000 tonnes, 1985-2006

Country	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
China	24.3	123.8	179.0	394.8	330.6	192.1	609.4	535.8	352.0	657.0	666.7
Germany	198.6	203.3	166.3	136.2	356.0	395.8	199.5	167.9	360.0	423.0	313.9
Japan	4.7	3.2	5.8	2.3	2.1	-	12.0	10.0	49.6	86.6	104.0
Taiwan PC	71.4	78.5	82.3	55.6	91.4	105.4	55.7	62.0	155.0	125.0	97.9
Spain	*	*	*	*	*	*	*	*	*	*	*
Vietnam	*	*	*	*	*	*	*	*	*	*	*
Indonesia	*	*	*	*	*	*	*	*	*	*	*
Canada	*	*	*	*	*	*	*	*	*	*	*
Turcia	*	*	*	*	*	*	*	*	*	*	*
France	*	*	*	*	*	*	*	*	*	*	*
UK	*	*	*	*	*	*	*	*	*	*	*
Russian Fed	*	*	*	*	*	*	*	*	*	*	*
Australia	*	*	*	*	*	*	*	*	*	*	*
Romania	*	*	*	*	*	*	*	*	*	*	*
India	*	*	*	*	*	*	*	*	*	*	*
Greece	*	*	*	*	*	*	*	*	*	*	*
China Hong Kong	*	*	*	*	*	*	*	*	*	*	*
USA	5.2	7.6	32.0	47.0	91.6	77.7	24.6	16.0	299.0	215.0	14.5
Colombia	*	*	*	*	*	*	*	*	*	*	*
Norway	*	*	*	*	*	*	*	*	*	*	*
Lithuania	*	*	*	*	*	*	*	*	*	*	*
Italy	*	*	*	*	*	*	*	*	*	*	*
Philippines	*	*	*	*	*	*	*	*	*	*	*
Chile	*	*	*	*	*	*	*	*	*	*	*
Korea Rep	*	*	*	*	*	*	*	*	*	*	*
Ex Yugoslavia	22.3	48.9	39.3	32.0	41.1	68.7	46.1	34.1	32.0	32.0	38.4
Others	202.2	292.0	297.5	217.3	346.0	440.8	329.6	286.9	1781.4	1025.4	683.7
Total	501.2	700.8	730.9	806.2	1126.1	1134.1	1206.2	1062.6	2698.0	2317.0	1866.2

Peruvian fishmeal export 1 000 tonnes, 1985-2006 (cont)

Country	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
China	706.7	780.0	215.0	337.7	913.2	578.3	590.0	521.0	813.0	1049.4	535.2
Germany	161.8	283.0	*	168.2	176.7	140.8	99.4	188.7	153.1	235.9	208.9
Japan	55.8	121.5	40.0	100.4	125.3	259.6	196.0	164.6	197.0	170.2	174
Taiwan PC	71.9	97.0	20.0	141.0	159.2	126.1	79.2	68.3	83.0	84.0	57.1
Spain	*	*	*	*	*	*	*	*	*	42.6	16.7
Vietnam	*	*	*	*	*	*	*	*	*	41.1	31.2
Indonesia	*	*	*	*	*	*	*	*	*	39.0	24.8
Canada	*	*	*	*	*	*	*	*	*	35.7	37.7
Turchia	*	*	*	*	*	*	*	*	*	35.3	34.1
France	*	*	*	*	*	*	*	*	*	24.7	10.6
UK	*	*	*	*	*	*	*	*	*	22.1	27.4
Russian Fed	*	*	*	*	*	*	*	*	*	18.7	*
Australia	*	*	*	*	*	*	*	*	*	17.4	17.1
Romania	*	*	*	*	*	*	*	*	*	16.8	*
India	*	*	*	*	*	*	*	*	*	15.5	*
Greece	*	*	*	*	*	*	*	*	*	13.5	15.1
China Hong Kong	*	*	*	*	*	*	*	*	*	12.5	*
USA	5.4	23.0	5.0	14.0	10.0	7.2	*	6.0	42.0	11.2	*
Colombia	*	*	*	*	*	*	*	*	*	10.5	*
Norway	*	*	*	*	*	*	*	*	*	10.2	14.2
Lithuania	*	*	*	*	*	*	*	*	*	9.7	*
Italy	*	*	*	*	*	*	*	*	*	9.5	*
Philippines	*	*	*	*	*	*	*	*	*	8.5	*
Chile	*	*	*	*	*	*	*	*	*	8.1	41.7
Korea Rep	*	*	*	*	*	*	*	*	*	8.0	*
Ex Yugoslavia	28.2	18.0	15.0	3.0	4.0	2.4	*	*	*	*	*
Others	603.3	633.5	367.0	721.7	963.9	824.2	553.6	423.4	466.9	51.2	67.8
Total	1633.1	1956.0	662.0	1486.0	2352.3	1938.6	1518.2	1372.0	1755.0	2001.4	1313.6

* = Included under Others.

AN 011589. 0706.

Source: FEO/OILWORLD/PROMPEX - 20070605.

Fishmeal exports from Chile, volume, value, unit value 1980-2006

Year	Volume	Value	Unit Value
1980	524.3	233.5	445.4
1981	445.8	195.5	438.5
1982	768.6	255.0	331.8
1983	754.9	307.1	406.8
1984	781.0	275.5	352.8
1985	1107.0	278.9	251.9
1986	1089.0	314.9	289.2
1987	1095.8	358.3	327.0
1988	926.2	458.8	495.4
1989	1292.8	515.2	398.5
1990	986.9	385.0	390.1
1991	1001.2	466.9	466.3
1992	807.5	541.0	670.0
1993	692.0	367.1	530.5
1994	1164.8	454.1	389.9
1995	1324.6	633.3	478.1
1996	1053.2	612.6	581.7
1997	928.7	552.4	594.8
1998	546.2	348.8	638.6
1999	592.7	281.8	475.5
2000	537.6	235.2	437.5
2001	595.0	307.0	516.0
2002	508.0	320.0	629.9
2003	609.3	372.8	611.8
2004	511.8	321.2	627.6
2005	708.9	458.252	646.4
2006	519.498	514.97	991.284

Volume in 1 000 tonnes; Value in US\$ million; Average Price in US\$/tonne.

AN 011588. 0706.

Source: INFOPESEA - 20070618.

**Yearly and monthly exports of fishmeal from Chile,
by country of destination, in 1000 tonnes, 1985-2006**

Country	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
China	171	69	18	24	78	3	20	72	12	12	25
Japan	15	43	82	75	93	161	216	241	165	203	392
Taiwan PC	53	55	68	117	123	96	191	231	196	206	247
South Korea	*	*	*	*	*	*	*	*	*	*	*
Spain	*	*	*	*	*	*	*	*	*	*	*
Italy	82	76	60	47	56	51	33	46	40	36	34
Germany Fed	269	433	485	441	433	234	155	179	117	147	113
USA	122	112	92	30	65	16	27	30	25	27	5
South Africa	79	83	59	20	128	130	149	90	71	164	128
Netherlands	74	77	60	62	93	65	36	30	53	20	52
Others	395	324	263	190	459	395	354	264	384	522	494
Total	1107	1112	1068	924	1307	956	996	1063	939	1153	1310

**Yearly and monthly exports of fishmeal from Chile,
by country of destination, in 1000 tonnes, 1985-2006 (cont)**

Country	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
China	92	57	61	49	50	*	*	158	123	264	169
Japan	214	226	173	187	150	128	118	103	98	100	83
Taiwan PC	223	147	77	127	117	42	37	103	76	72	50
Rep. Korea									28	33	30
Spain									26	33	28
Italy	30	28	3	8	16	99	85	30	32	30	26
Germany	91	108	24	39	20	121	90	37	22	23	33
USA	13	9	3	0	2	11	2	2	2	*	*
South Africa	54	52	0	1	6	98	*	*	*	*	*
Netherlands	18	-	0	0	0	1	2	*	*	*	*
Others	310	307	155	178	171	0	172	176	74	154	100
Total	1045	934	496	589	532	500	506	609	481	709	519

* = Included under Others.

AN 011585. 0706.

Source:National Statistics-20070606.

**Yearly exports of meals, solubles and similar animal feeding stuffs,
of aquatic origin, in US\$ million, 1979-2005**

Country	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Peru	197.4	207.2	174.7	199.2	81.4	134.2	118.1	200.1	222.0	346.9	406.5	346.7
Chile	142.7	203.0	198.0	254.8	307.6	276.0	282.2	322.8	365.4	459.0	515.2	384.9
Denmark	125.3	162.0	145.5	113.4	127.8	119.2	86.2	102.1	95.9	151.4	145.0	110.4
Iceland	76.7	77.2	60.1	21.1	17.7	50.5	49.2	65.1	58.3	86.8	72.0	58.7
Germany	29.2	47.4	51.3	74.8	86.8	90.9	74.3	78.4	81.7	104.8	127.4	90.4
USA	5.5	29.1	19.1	3.6	21.7	5.3	7.0	10.6	13.2	23.4	25.3	39.4
Norway	136.3	137.2	134.5	95.1	123.7	101.4	65.0	37.5	39.4	39.9	23.7	25.6
Morocco	4.4	5.4	6.2	0.0	2.5	2.2	0.0	0.0	0.8	3.4	1.0	0.3
Korea Rep	0.3	1.5	0.5	0.4	1.5	2.2	1.1	1.7	2.3	3.3	2.0	3.6
Namibia	-	-	-	-	-	-	-	-	-	-	-	-
Ireland	0.7	0.9	0.6	0.7	0.5	0.5	1.0	1.0	1.1	3.0	3.4	3.1
Panama	7.9	10.1	4.3	1.6	5.5	2.7	6.5	1.9	5.6	3.9	5.8	3.1
Netherlands	5.8	6.3	6.1	6.3	5.5	6.2	8.2	11.4	14.9	13.8	27.6	31.9
UK	3.4	4.7	1.7	1.0	1.7	1.1	1.8	3.7	4.6	6.5	5.0	4.5
Japan	36.8	31.4	44.3	65.4	47.9	66.5	63.3	81.5	115.3	154.1	142.1	97.0
Thailand	49.9	56.0	61.6	46.9	59.3	62.8	59.1	75.0	87.8	31.2	16.2	6.5
Italy	5.4	2.8	1.7	5.5	17.8	10.3	17.3	12.1	8.9	15.4	6.7	13.7
Others	106.1	116.7	103.6	93.3	82.5	103.3	92.1	103.8	110.6	153.7	114.0	110.5
Total	933.8	1098.9	1013.8	983.1	991.4	1035.3	932.4	1108.7	1227.8	1600.5	1638.9	1330.3

**Yearly exports of meals, solubles and similar animal feeding stuffs,
of aquatic origin, in US\$ million, 1979-2005 (cont)**

Country	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Peru	437.5	451.7	560.4	743.3	696.9	836.1	1009.9	396.6	531.0	873.8	838.3	824.5
Chile	466.9	541.0	367.1	454.1	633.3	612.6	552.4	348.8	281.8	235.2	307.4	319.9
Denmark	148.5	173.3	149.2	163.6	219.1	225.5	198.8	238.6	189.4	159.3	171.7	214.0
Iceland	32.5	80.6	77.8	77.4	90.4	151.3	157.5	166.3	118.2	118.8	133.8	198.6
Germany	60.0	69.5	76.7	119.3	109.9	129.6	156.2	147.7	88.3	96.2	102.5	133.6
USA	59.7	67.2	52.4	37.4	41.3	52.9	57.2	68.4	51.5	75.3	67.7	76.3
Norway	55.0	76.0	64.1	35.1	37.1	55.4	44.5	110.6	80.1	45.5	46.3	84.3
Morocco	2.6	2.0	-	0.9	9.4	3.8	3.4	9.0	4.1	6.9	27.6	14.2
Korea Rep	5.8	7.9	9.5	10.0	13.0	14.4	13.9	13.3	16.4	15.8	14.5	12.6
Namibia	-	-	-	16.5	20.1	26.2	22.7	49.1	9.5	6.6	11.7	20.6
Ireland	4.3	5.4	6.0	7.8	13.1	15.9	11.1	11.6	4.5	5.8	17.6	12.9
Panama	4.4	3.3	4.5	5.1	5.0	2.2	4.5	6.6	5.0	8.2	7.6	4.2
Netherlands	27.9	31.0	48.5	67.3	35.9	28.2	19.5	16.5	14.6	10.0	11.2	12.0
UK	3.8	7.3	16.8	15.8	19.6	17.7	18.5	22.0	18.6	17.2	17.8	11.9
Japan	83.1	34.2	27.4	12.9	11.2	9.3	4.6	4.6	5.2	8.1	6.7	8.3
Thailand	5.8	1.5	2.4	1.6	0.9	2.6	1.1	14.8	2.5	5.6	3.8	10.9
Italy	12.3	13.2	10.7	7.0	10.5	9.5	6.8	7.8	3.0	2.6	3.2	4.8
Others	122.3	144.9	139.5	143.0	158.7	179.2	163.0	196.0	181.4	182.2	222.1	247.0
Total	1532.4	1710.0	1613.0	1918.1	2125.4	2372.4	2445.6	1828.3	1605.1	1873.1	2011.5	2210.6

Country	2003	2004	2005
Peru	743.9	958.9	1150.6
Chile	352.3	343.8	458.4
Denmark	166.6	198.7	201.5
Iceland	155.7	180.0	136.4
Germany	133.3	136.4	177.8
USA	77.9	94.3	99.1
Norway	54.8	51.3	42.3
Morocco	25.7	15.6	35.1
Korea Rep	18.4	14.9	18.9
Namibia	16.0	17.6	15.8
Ireland	11.9	21.3	19.5
Panama	10.9	6.2	4.5
Netherlands	10.3	9.9	5.3
UK	10.1	10.9	13.2
Japan	8.8	9.2	8.3
Thailand	5.8	12.2	18.3
Others	248.7	269.6	295.4
Total	2050.9	2350.7	2700.5

AN 011578. 0706.

Source: FISHDAB - 20070618.

**Yearly exports of meals, solubles and similar animal feeding
stuffs, of aquatic origin, in 1 000 tonnes, 1979-2005**

Country	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Peru	530.9	463.7	389.2	604.8	209.6	389.2	507.6	698.5	721.2	797.8	1117.1	1113.9
Chile	387.2	465.1	455.8	772.7	755.1	781.5	1109.0	1081.6	1093.2	925.4	1292.8	986.9
Iceland	204.2	166.3	129.9	64.5	48.5	138.5	162.2	192.1	152.3	176.5	136.2	124.2
Denmark	266.6	301.4	274.4	259.3	273.7	264.6	223.2	230.5	202.9	256.3	237.2	171.5
Germany	62.4	88.2	95.8	188.0	188.9	222.7	235.9	220.7	204.3	185.1	267.4	192.6
USA	14.2	77.4	42.7	16.3	70.2	18.3	31.4	34.9	63.7	111.7	48.7	60.2
Norway	326.6	274.7	266.3	228.4	283.7	248.4	173.7	92.3	88.0	68.9	45.1	45.3
Morocco	12.3	10.7	14.2	0.0	6.9	5.7	0.0	0.0	3.7	7.3	2.2	1.1
Korea Rep	0.7	2.4	0.8	0.8	2.7	3.3	2.0	2.8	5.0	4.9	3.4	5.0
Namibia	-	-	-	-	-	-	-	-	-	-	-	-
Panama	22.6	28.1	11.7	4.4	14.8	6.9	35.4	9.4	21.0	10.8	18.5	11.2
Japan	57.7	43.3	73.7	135.7	79.6	135.3	157.4	167.2	216.6	212.6	223.9	147.5
Ireland	1.6	1.9	1.4	1.9	1.4	1.2	3.6	3.1	3.7	7.0	7.9	5.6
Netherlands	12.9	11.9	11.2	14.6	11.4	13.6	21.8	26.7	34.9	26.4	56.1	62.8
Thailand	138.7	126.5	134.1	103.9	128.0	129.3	128.5	141.8	154.6	72.3	38.1	15.4
UK	6.5	8.2	3.3	2.0	3.4	2.3	3.3	6.8	8.1	7.5	6.4	5.4
Italy	10.8	4.6	3.1	11.1	35.9	21.4	43.4	29.5	21.7	31.5	12.7	26.0
Others	282.0	289.5	246.9	275.6	243.0	270.5	331.2	327.5	288.6	311.5	239.3	213.1
Total	2337.9	2363.9	2154.5	2684.0	2356.8	2652.7	3169.6	3265.4	3283.5	3213.5	3753.0	3187.7

Country	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Peru	1151.4	1088.2	1595.0	2305.4	1778.3	1611.8	1884.1	671.8	1471.3	2352.2	1943.4	1519.6
Chile	1001.3	1080.4	982.9	1164.8	1324.6	1053.2	928.7	546.2	592.7	537.6	595.0	508.4
Iceland	68.3	155.5	184.4	175.8	173.8	248.5	250.4	232.9	241.5	253.2	258.6	301.4
Denmark	249.7	269.0	268.0	285.6	348.1	331.6	286.6	303.1	321.5	303.1	305.9	301.3
Germany	115.7	123.3	179.5	284.1	213.7	210.4	255.6	203.8	194.8	218.2	201.2	204.0
USA	93.6	117.3	96.6	72.6	80.3	84.6	98.1	95.6	87.3	94.9	108.0	112.8
Norway	110.5	139.7	139.2	71.4	65.6	86.7	63.6	154.0	153.2	87.5	85.3	123.0
Morocco	7.3	3.9	0.0	3.0	19.0	7.0	5.9	15.3	9.3	18.8	57.7	23.1
Korea Rep	22.6	11.4	14.5	16.0	22.0	24.2	23.5	24.6	29.5	30.4	29.0	24.8
Namibia	-	-	0.0	25.9	34.8	43.4	21.3	64.4	21.1	19.0	26.0	37.7
Panama	13.6	9.5	15.7	19.1	20.5	7.1	11.1	14.3	18.0	29.1	23.6	9.3
Japan	113.4	44.4	40.6	20.7	18.6	16.2	8.2	9.6	10.8	14.9	14.4	17.7
Ireland	11.6	15.4	16.4	15.2	22.2	21.1	14.3	14.5	6.7	9.0	25.9	18.5
Netherlands	56.7	55.4	111.6	157.9	66.0	46.2	26.9	20.3	25.8	20.1	18.9	15.3
Thailand	11.0	4.0	4.9	3.0	2.1	1.5	1.8	26.0	5.4	9.9	7.1	19.9
UK	4.8	11.7	12.8	20.4	26.6	19.1	22.2	24.6	21.2	21.8	17.3	11.9
Italy	19.6	22.4	20.4	14.5	19.9	14.2	11.0	11.4	5.2	3.7	5.3	7.3
Others	233.6	266.0	280.5	279.5	290.9	307.0	273.6	301.3	336.5	383.0	421.5	437.2
Total	3284.7	3417.5	3963.0	4934.9	4527.0	4133.8	4186.9	2733.7	3551.8	4406.4	4144.1	3693.2

**Yearly exports of meals, solubles and similar animal feeding
stuffs, of aquatic origin, in 1 000 tonnes, 1979-2005 (cont)**

Country	2003	2004	2005
Peru	1372.3	1756.8	2004.3
Chile	577.9	519.7	709.1
Iceland	225.2	254.9	196.8
Denmark	203.9	246.2	243.5
Germany	194.7	186.4	239.1
USA	110.5	140.7	164.9
Norway	73.4	67.5	52.5
Morocco	38.5	23.8	55.4
Korea Rep	35.7	24.1	31.0
Namibia	29.2	31.9	27.0
Panama	28.0	14.3	10.0
Japan	18.5	18.6	16.6
Ireland	13.2	24.9	20.1
Netherlands	13.0	12.0	6.6
Thailand	11.4	20.1	31.3
UK	9.0	7.1	12.2
Italy	5.0	4.5	5.0
Others	452.7	421.9	469.7
Total	3412.0	3775.6	4294.9

AN 011576. 0706.

Source: FISHDAB - 20070618.

FISH MEAL - Production

Yearly fishmeal production, USA, 1979-2006, in tonnes

Year	MT
1979	339484
1980	328263
1981	288888
1982	338698
1983	346264
1984	340376
1985	318450
1986	309000
1987	389719
1988	290354
1989	271050
1990	261953
1991	277928
1992	244088
1993	340537
1994	370212
1995	295214
1996	296985
1997	312686
1998	278252
1999	311278
2000	289506
2001	292114
2002	289368
2003	273434
2004	260882
2005	254515
2006	264397

AN 011534. 0602.

Source: FISHERIES OF THE UNITED STATES, NMFS - 20060225.

**Yearly production of meals, solubles and similar animal
feeding stuffs of aquatic animal origin, by producing
countries/areas, 1979-2005, in 1 000 tonnes**

Country	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Peru	688.0	458.1	478.3	665.5	251.7	568.4	717.1	973.1	821.4	1126.2	1169.2	1204.2
China	0.0	0.0	0.0	0.0	50.0	53.0	54.5	51.2	56.8	58.7	90.0	110.0
Chile	512.6	571.9	688.3	795.8	827.7	1022.7	1111.6	1282.4	1081.1	1112.2	1381.2	1073.2
Thailand	186.4	194.2	201.7	211.8	204.8	222.6	220.4	213.0	228.7	237.2	268.5	287.4
USA	462.0	449.6	405.6	477.1	490.1	455.2	473.9	407.1	470.1	387.6	386.1	403.3
Japan	895.6	879.9	898.9	1004.1	1133.5	1262.7	1166.6	1179.1	1112.6	1095.7	1049.1	976.6
Denmark	336.1	357.9	337.8	319.6	340.0	347.1	307.4	302.7	284.8	366.3	345.6	275.2
Iceland	207.9	172.1	148.4	51.1	68.1	171.7	174.8	178.5	159.3	192.1	143.6	150.1
Norway	327.9	297.7	299.5	284.3	346.9	286.6	238.3	194.1	183.1	183.6	199.7	167.0
South Africa	174.9	154.9	155.6	142.6	172.3	117.9	116.1	127.5	266.1	240.3	132.2	54.4
Spain	47.0	51.6	59.4	68.4	78.8	86.7	87.9	89.1	136.5	136.0	128.3	134.8
Ecuador	77.5	102.9	123.4	114.1	21.9	147.9	255.5	205.8	116.7	166.1	104.8	42.2
Russian Fed	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mexico	68.8	99.9	106.6	98.5	64.2	56.2	78.6	84.0	88.2	81.9	90.4	55.1
UK	58.6	68.3	59.7	56.4	54.2	55.0	53.0	47.0	51.0	50.0	49.0	50.6
Faeroe Is	19.4	19.5	20.1	16.2	24.9	25.0	25.8	30.0	26.7	29.2	23.4	17.4
Pakistan	27.7	25.6	26.3	29.6	28.3	32.7	32.0	34.4	34.0	32.9	33.3	34.6
Panama	26.0	35.2	22.1	15.1	26.3	22.5	45.7	17.1	31.4	20.3	33.5	22.9
France	19.8	11.8	14.2	17.0	16.5	20.6	15.0	18.0	18.5	20.0	20.7	21.3
Others	952.7	1017.5	1015.2	1025.9	1093.6	1154.1	1139.3	1256.1	1306.5	1316.7	1252.9	1275.3
Total	5088.8	4968.8	5061.2	5393.1	5293.9	6108.4	6313.5	6690.2	6473.4	6852.9	6901.3	6355.4
Country	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Peru	1311.6	1441.8	1788.8	2417.2	1789.2	1925.0	1597.1	832.1	1769.5	2241.5	1635.4	1839.2
China	100.0	100.0	142.0	184.8	261.0	359.5	533.8	692.6	707.4	806.4	723.2	825.7
Chile	1229.8	1269.6	1191.8	1551.7	1554.3	1399.8	1227.4	646.7	1004.9	880.7	779.5	845.3
Thailand	282.8	351.1	358.2	381.4	371.1	381.9	386.1	410.4	398.8	386.1	387.2	393.2
USA	397.5	334.5	398.1	437.4	331.1	328.9	394.0	294.5	355.0	335.2	336.7	335.9
Japan	787.8	633.2	595.8	527.0	414.1	406.2	405.2	378.8	488.3	476.3	298.6	290.3
Denmark	367.2	359.6	341.6	402.2	446.7	397.9	395.3	405.0	375.9	388.7	407.7	385.3
Iceland	82.7	173.6	194.8	177.6	176.1	231.1	223.8	226.4	242.1	253.2	258.4	301.5
Norway	209.4	259.3	295.2	201.5	236.7	243.0	253.4	299.4	240.8	264.0	239.9	226.6
South Africa	55.3	103.5	83.3	70.7	58.2	57.2	55.0	94.2	84.4	108.9	110.6	117.2
Spain	130.0	120.0	38.0	46.7	61.6	65.2	93.3	92.5	84.0	120.2	115.4	89.1
Ecuador	45.2	19.6	41.0	60.3	77.3	110.0	44.3	71.9	50.5	77.8	47.0	58.1
Russian Fed	0.0	261.7	226.9	179.2	191.6	206.8	194.3	163.4	154.6	127.5	87.1	64.7
Mexico	65.1	41.8	33.2	44.0	62.2	67.8	63.0	45.4	48.2	64.6	82.2	80.5
UK	50.2	47.7	52.4	47.7	49.6	54.6	51.0	51.9	53.4	50.0	50.0	47.7
Faeroe Is	12.7	19.0	22.3	22.4	17.6	22.4	13.3	22.8	25.4	23.9	44.4	36.9
Pakistan	35.9	37.1	39.3	40.3	37.1	37.8	38.5	39.3	43.1	32.3	38.0	34.0
Panama	25.3	22.8	28.4	27.8	30.8	23.1	36.4	35.8	19.4	29.1	22.0	31.5
France	20.0	21.5	22.0	22.0	21.0	22.0	21.3	21.0	21.0	21.2	22.0	26.0
Others	1233.6	633.5	625.5	641.8	667.2	584.6	514.9	509.7	488.5	353.3	532.8	454.2
Total	6442.1	6250.8	6518.6	7483.6	6854.2	6924.7	6541.3	5333.7	6655.2	7040.9	6218.2	6482.9

Yearly production of meals, solubles and similar animal feeding stuffs of aquatic animal origin, by producing countries/areas, 1979-2005, in 1 000 tonnes (cont)

Country	2003	2004	2005
Peru	1224.5	1971.4	1930.7
China	827.3	838.0	720.2
Chile	705.8	991.5	829.6
Thailand	403.4	404.1	413.3
USA	309.8	283.1	281.4
Japan	295.2	230.6	221.9
Denmark	258.1	302.5	320.2
Iceland	225.2	254.9	196.8
Norway	212.1	215.1	154.3
South Africa	142.7	114.0	112.0
Spain	101.0	77.2	70.0
Ecuador	80.2	86.3	87.8
Russian Fed	73.6	57.2	58.3
Mexico	55.5	55.3	55.4
UK	51.7	51.0	53.0
Faeroe Is	40.6	62.3	51.3
Pakistan	33.6	32.2	47.7
Panama	28.0	25.0	23.3
France	26.1	25.0	22.0
Others	510.4	482.0	544.0
Total	5604.8	6558.7	6193.2

AN 011530. 0706.

Source: FISHDAB - 20070618.

Cumulative monthly fishmeal production, by major producing countries, total 1984-2006, in 1 000 tonnes

Country	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Peru	446	599	923	747	1090	1089	1154	1252	1283	1620	2443
Chile	1014	1105	1252	1047	1078	1335	993	1155	1262	1143	1548
South Africa	115	112	122	289	235	132	104	88	151	140	76
USA(1)	330	320	308	357	292	266	253	262	279	318	430
Iceland	165	192	182	171	189	149	161	82	186	194	167
Denmark	319	284	302	270	338	324	258	306	355	314	348
Norway	281	236	197	186	184	214	168	208	267	250	203
Japan	NA	430	310	270							

Cumulative monthly fishmeal production, by major producing countries, total 1984-2006, in 1 000 tonnes (cont)

Country	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Peru	1844	1972	1590	815	1940	2308	1844	1930	1289	1983	2021
Chile	1618	1375	1195	636	977	780	699	835	667	933	795
South Africa	45	39	35	94	84	108	111	117	328	NA	NA
USA(1)	393	400	329	262	350	320	292	338	289	NA	NA
Iceland	183	265	279	220	222	272	284	300	271	204	179
Denmark	374	297	341	324	311	318	299	308	246	260	214
Norway	231	214	253	301	242	264	216	227	131	215	154
Japan	210	180	160	378	405	387	227	320	NA	NA	NA
Country	2006										
Peru	1456										
Chile	776										
South Africa	NA										
USA(1)	NA										
Iceland	162										
Denmark	213										
Norway	176										
Japan	NA										

(1) excluding solubles.

AN 011528. 0705.

Source: IFFO - 20070225.

Yearly world production, exports and imports of meals, solubles and similar animal feeding stuffs of aquatic animal origin, 1981-2005 in tonnes, US\$ million and US\$/tonne

	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
Production (1000 tonnes)	5061	5393	5294	6108	6313	6690	6473	6853	6901	6355	6442
Import (1000 tonnes)	2013	2443	2253	2503	3080	3206	3166	3323	3567	3337	3343
Export (1000 tonnes)	2155	2684	2357	2653	3170	3265	3284	3214	3753	3188	3285
Import (million US\$)	1059	1029	1036	1086	1015	1170	1307	1854	1859	1634	1789
Exports (million US\$)	1014	983	991	1035	932	1109	1228	1601	1639	1330	1532
Unit value imports (US\$/tonne)	526	421	460	434	330	365	413	558	521	490	535
Unit value exports (US\$/tonne)	471	366	421	390	294	340	374	498	437	417	467
	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Production (1000 tonnes)	6251	6519	7484	6854	6925	6541	5334	6655	7041	6218	6483
Import (1000 tonnes)	3444	3937	4944	4581	4229	4381	2874	3573	4501	4205	3824
Export (1000 tonnes)	3418	3963	4935	4527	4134	4187	2734	3552	4406	4144	3693
Import (million US\$)	1969	1856	2213	2407	2707	2746	2093	1924	2157	2235	2470
Exports (million US\$)	1710	1613	1918	2125	2372	2446	1828	1605	1873	2012	2211
Unit value imports (US\$/tonne)	572	471	448	526	640	627	728	539	479	532	646
Unit value exports (US\$/tonne)	500	407	389	469	574	584	669	452	425	485	599

**Yearly world production, exports and imports of meals,
solubles and similar animal feeding stuffs of aquatic
animal origin, 1981-2005 in tonnes, US\$ million and US\$/tonne (cont)**

	2003	2004	2005
Production (1000 tonnes)	5605	6559	6193
Import (1000 tonnes)	3555	3819	4336
Export (1000 tonnes)	3412	3776	4295
Import (million US\$)	2332	2653	3059
Exports (million US\$)	2051	2351	2701
Unit value imports (US\$/tonne)	656	695	705
Unit value exports (US\$/tonne)	601	623	629

AN 011526. 0706.

Source: FISHDAB - 20070618.

**Yearly fishmeal production and export, Peru, 1980-2006,
in 1 000 tonnes**

Year	Production	Exports
1980	458	416
1981	478	315
1982	665	605
1983	252	183
1984	446	389
1985	599	501
1986	923	701
1987	747	731
1988	1090	806
1989	1089	1126
1990	1154	1134
1991	1252	1206
1992	1283	1063
1993	1620	2698
1994	2443	2317
1995	1884	1866
1996	1972	1637
1997	1590	1956
1998	815	662
1999	1940	1546
2000	2308	2325
2001	1844	1944
2002	1930	1517
2003	1289	1372
2004	1971	959
2005	1919	1148
2006	1341	1347.04

AN 011590. 0706.

Source: PESCA/FEO - 20070618.

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